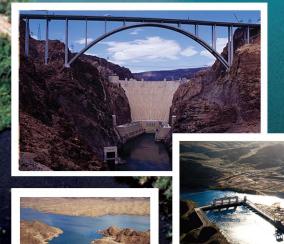


Calendar Year 2020

Colorado River Accounting and Water Use Report: Arizona, California, and Nevada

Interior Region 8: Lower Colorado Basin





Mission Statements

The Department of the Interior (DOI) conserves and manages the Nation's natural resources and cultural heritage for the benefit and enjoyment of the American people, provides scientific and other information about natural resources and natural hazards to address societal challenges and create opportunities for the American people, and honors the Nation's trust responsibilities or special commitments to American Indians, Alaska Natives, and affiliated island communities to help them prosper.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

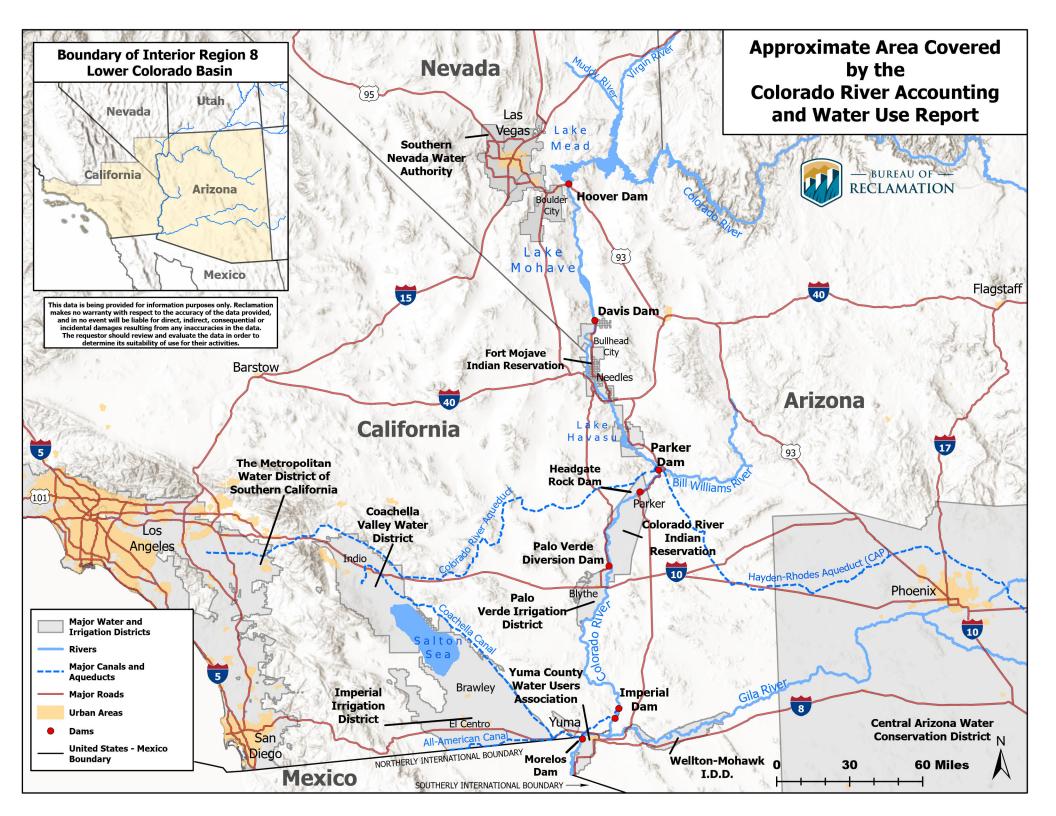
Calendar Year 2020 Colorado River Accounting and Water Use Report: Arizona, California, and Nevada

Interior Region 8: Lower Colorado Basin

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Acronyms and Abbreviated Terms

These acronyms and abbreviations are found in the text, footnotes, and headings within this document.

| | , | , | , · · · · · · · · · · · · · · · · · · |
|--------|---|--------|---|
| AAC | All-American Canal | IID | Imperial Irrigation District |
| AACLP | All-American Canal Lining Project | IOPP | Inadvertent Overrun and Payback Policy |
| ADP | Arizona diesel pump | ISG | Colorado River Interim Surplus |
| ADW | Arizona diesel well | | Guidelines |
| AEP | Arizona electric pump | IUS | Interstate Underground Storage credits |
| AEW | Arizona electric well | KAF | Thousand acre-feet |
| AF | acre-feet | LB DCP | Lower Basin Drought Contingency Plan |
| ALTSC | Accumulated Long-Term Storage Credit | LBOps | Lower Basin Drought Contingency Operations |
| AOP | Annual Operating Plan | LCR | Lower Colorado River |
| ASLD | Arizona State Land Department | LCWSP | Lower Colorado Water Supply Project |
| AWBA | Arizona Water Banking Authority | LHFO | Lake Havasu Field Office (BLM) |
| BLM | Bureau of Land Management | LLC | Limited Liability Company |
| BOY | beginning-of-year | LTSC | Long-Term Storage Credit |
| BWSCP | Binational Water Scarcity Contingency Plan | MAF | Million acre-feet |
| CAP | Central Arizona Project | MSCP | Multi-Species Conservation Program |
| CAWCD | Central Arizona Water Conservation District | MWD | The Metropolitan Water District of Southern |
| CCLP | Coachella Canal Lining Project | | California |
| CDP | California diesel pump | MOD | Main Outlet Drain |
| CDW | California diesel well | MODE | Main Outlet Drain Extension |
| CDEW | California diesel electric well | MVIDD | Mohave Valley I.D.D. |
| CEP | California electric pump | M&I | Municipal and Industrial |
| CEW | California electric well | NWR | National Wildlife Refuge |
| CFR | Code of Federal Regulations | NIB | Northerly International Boundary |
| CRBC | Colorado River Board of California | PSCP | Pilot System Conservation Program |
| CRCN | Colorado River Commission of Nevada | PPR | Present Perfected Right |
| CRIT | Colorado River Indian Tribes | PVER | Palo Verde Ecological Reserve |
| CRWDA | Colorado River Water Delivery Agreement | PVID | Palo Verde Irrigation District |
| CU | consumptive use | QSA | Quantification Settlement Agreement |
| CVWD | Coachella Valley Water District | SIB | Southerly International Boundary |
| CY | calendar year | SIRA | Storage and Interstate Release Agreement |
| DCP | Drought Contingency Plan | SDCWA | San Diego County Water Authority |
| DPOC | Drainage Pump Outlet Channel | SLRSP | San Luis Rey Settlement Parties |
| ET | evapotranspiration | SNWA | Southern Nevada Water Authority |
| EOY | end-of-year | SCIA | System Conservation Implementation |
| FEIS | Final Environmental Impact Statement | | Agreement |
| FMYN | Fort McDowell Yavapai Nation | TCM | Thousand Cubic Meters |
| FYIR | Fort Yuma Indian Reservation | USGS | United States Geological Survey |
| GGMC | Gila Gravity Main Canal | YAO | Yuma Area Office (Reclamation) |
| ICUA | Intentionally Created Unused | YDP | Yuma Desalting Plant |
| | Apportionment | YFO | Yuma Field Office (BLM) |
| I.D.D. | Irrigation and Drainage District | YID | Yuma Irrigation District |
| IBWC | International Boundary and Water | YMIDD | Yuma Mesa Irrigation and Drainage District |
| | Commission | YPRD | Yuma Project Reservation Division |
| ICS | Intentionally Created Surplus | | • |
| | ' | | |

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Glossary

Accumulated Long-Term Storage Credits (ALTSC): The cumulative amount of Long-Term Storage Credits in a storing entity's long-term storage account.

Bypass Drain: The 53-mile-long, concrete-lined drain, which extends from the end of the Main Outlet Drain Extension near Morelos Dam to the Ciénega de Santa Clara (Ciénega) in Mexico. The Bypass Drain, constructed to assist the United States in meeting its obligations under Minute No. 242 of the International Boundary and Water Commission, conveys pumped drainage from the Wellton-Mohawk Irrigation and Drainage District and the Yuma area to the Ciénega.

Colorado River Aquifer: The aquifer underlying the Colorado River mainstream consisting of permeable, partly saturated sediments and sedimentary rocks that are hydraulically connected to the Colorado River so that water can move between the Colorado River and the aquifer in response to withdrawal of water from the aquifer or differences in water-level elevations between the Colorado River and the aquifer.

Colorado River Basin: All of the drainage area of the Colorado River System and all other territory within the United States of America to which the waters of the Colorado River System shall be beneficially applied.

Colorado River System: That portion of the Colorado River and its tributaries within the United States.

Colorado River water: Water in or withdrawn from the mainstream.

Consuming State: The Lower Division State in which Intentionally Created Unused Apportionment will be used.

Consumptive use: Diversions from the mainstream of the Colorado River less such Return Flow thereto as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty Obligation. Consumptive use from the mainstream within a Lower Division state includes water drawn from the mainstream by underground pumping.

Consolidated Decree: The Consolidated Decree of the Supreme Court of the United States in *Arizona* v. *California et al.* 547 U.S. 150 (2006), or as it may be further modified.

Domestic Use: The use of water for household, stock, municipal, mining, milling, industrial, and other like purposes, but excluding the use of water for irrigation of crops or for the generation of electric power.

Drainage Pump Outlet Channel (DPOC): The DPOC drainage system consists of 24 wells which provide groundwater drainage for the agricultural lands of the South Gila Valley. When this drainage water is returned to the Colorado River by DPOC Nos. 1, 2, 3, and 4, it is part of the water delivered to Mexico above Morelos Dam in accordance with the 1944 Mexican Water Treaty.

Drought Response Program Actions: The Bureau of Reclamation's Drought Response Program supports a proactive approach to drought assistance for water users through drought contingency planning, including consideration of climate change information and actions that will build long-term resiliency to drought.

Entitlement: An authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a water delivery contract with the United States through the Secretary of the Interior, or (3) a Secretarial Reservation.

Intentionally Created Unused Apportionment (ICUA): Unused apportionment developed consistent with the laws of the Storing State which exists solely as a result of, and would not exist except for, implementing a Storage and Interstate Release Agreement.

Inadvertent Overrun: Colorado River water diverted, pumped or received by an entitlement holder within the Lower Division States that is in excess of the water user's entitlement or approved water order for that year.

Lee Ferry: The point in the mainstream of the Colorado River one mile below the mouth of the Paria River that divides the Upper and Lower Basins.

Live Storage: That part of the total reservoir capacity from which water can be withdrawn by gravity. This capacity is equal to the total capacity less the dead pool capacity and flood control space. Dead pool is the storage volume in a reservoir that cannot be drained by gravity through a dam's outlet works, spillway, or power plant intake structures and can only be pumped out.

Lower Basin: Those parts of the States of Arizona, California, Nevada, New Mexico, and Utah within and from which waters naturally drain into the Colorado River System below Lee Ferry, and also all parts of said States located without the drainage area of the Colorado River System which are now or shall hereafter be beneficially served by waters diverted from the System below Lee Ferry.

Lower Division States: The States of Arizona, California, and Nevada.

Long-Term Storage Credits (LTSC): Colorado River water that has been stored offstream pursuant to a Storage and Interstate Release Agreement and credited to a storer's long-term storage account for use in future years.

Main Outlet Drain (MOD): A channel that conveys pumped groundwater drainage from the Wellton-Mohawk Valley to the Gila River near the confluence with the Colorado River.

Main Outlet Drain Extension (MODE): A 12-mile-long channel extending from the Main Outlet Drain that conveys drainage from the Wellton-Mohawk Irrigation and Drainage District and Yuma area to points above or below Morelos Dam. Under certain conditions it includes discharge from the DPOCs and Yuma Mesa Conduit.

Mainstream: Mainstream means the main channel of the Colorado River downstream from Lee Ferry within the United States, including the reservoirs behind dams on the main channel, and Senator Wash Reservoir off the main channel.

Mexican Treaty Obligation: The United States' obligation under the Treaty Between the United States of America and Mexico, "Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande" (1944 Mexican Water Treaty), signed February 3, 1944, including supplements to and obligations associated with Minutes of the International Boundary and Water Commission adopted pursuant to the 1944 Mexican Water Treaty.

Offstream Storage: Storage in a surface reservoir off of the mainstream or in a groundwater aquifer. Offstream storage includes indirect recharge when Colorado River water is exchanged for groundwater that otherwise would have been pumped and consumed.

Pilot System Conservation Program: A pilot program for funding the creation of Colorado River system water through voluntary water conservation and reductions in use.

Protective and Regulatory Pumping Unit – 242 Wellfield (Unit): A wellfield and delivery system located within a 5-mile-wide strip of land north of the United States/Mexico boundary in southwestern Arizona. The Unit currently consists of 21 wells which intercept part of the groundwater underflow moving southward into Mexico from the Yuma Mesa in the United States. The groundwater recovered by the Unit is collected in a conveyance system (the 242 Lateral) and is delivered to Mexico by the United States at the Southerly International Boundary as a portion of the Mexican Treaty Obligation.

Regulatory Structures: Hoover Dam, Davis Dam, Parker Dam, Headgate Rock Dam, Palo Verde Dam, Imperial Dam, Laguna Dam and all other dams and works on the mainstream controlled or operated by the United States regulating the flow of water in the mainstream or the diversion of water from the mainstream.

Return Flow: Mainstream water that has been diverted and which flows back to the Colorado River or the Colorado River Aquifer as measured or unmeasured flow and is available for use in the United States or in satisfaction of the Mexican Treaty Obligation.

Storage and Interstate Release Agreement (SIRA): An agreement consistent with 43 CFR Part 414 between the Secretary and authorized entities in two or more Lower Division States that addresses the details of:

- (1) Offstream storage of Colorado River water by a storing entity for future use within the Storing State;
- (2) Subsequent development of ICUA by the storing entity, consistent with the laws of the Storing State; (3) A request by the storing entity to the Secretary to release ICUA to the consuming entity; (4) Release of ICUA by the Secretary to the consuming entity; and (5) The inclusion of other entities that are determined by the Secretary and the storing entity and the consuming entity to be appropriate to the performance and enforcement of the agreement.

Storing State: A Lower Division State in which water is stored off the mainstream in accordance with a Storage and Interstate Release Agreement for future use in that State.

Unused Apportionment: Colorado River water within a Lower Division State's basic or surplus apportionment, or both, which is not otherwise put to beneficial consumptive use during that year within that State.

Upper Basin: Those parts of the States of Arizona, Colorado, New Mexico, Utah, and Wyoming within and from which waters naturally drain into the Colorado River System above Lee Ferry, and also all parts of said States located without the drainage area of the Colorado River System which are now or shall hereafter be beneficially served by waters diverted from the System above Lee Ferry.

Yuma Mesa Conduit: A 14.6-mile long pipeline which collects water from multiple wellfields that are part of the overall groundwater recovery and river regulation program for the Yuma area. The groundwater recovered from these wellfields is collected into the conduit and discharged either to the Yuma Desalting Plant, the MODE, the Southerly International Boundary with Mexico via the Yuma Main Drain, or the Colorado River via the Yuma Mesa Conduit Outlet, a discharge point approximately 6 miles upstream of Morelos Dam.

DISCLAIMER:

Terms contained within this Glossary are defined to provide general information and are not intended to change, modify, or interpret the laws, rules, decrees, and treaties from which they are originally derived.

Table 1. Summary of Colorado River Accounting and Water Use Data, Calendar Year 2020. (All values are in acre-feet.)

| Lower Division States Consumptive Use | | | | TOTAL |
|--|--------------------------|-----------------------|-------------------------|------------------|
| Arizona | | | | 2,470,776 |
| California | | | | 4,059,911 |
| Nevada | | | _ | 255,568 |
| Total Lower Division States Consumptive Use | | | = | 6,786,255 |
| Mexico ¹ | | | | |
| Total Deliveries to Mexico in Satisfaction of Treaty Requirements | | | | 1,432,606 |
| Creation of Mexico's Water Reserve | | | | 67,394 |
| Delivery of Mexico's Water Reserve | | | | 0 |
| Total to Mexico in Satisfaction of Treaty Requirements | | | = | 1,500,000 |
| To Mexico in Excess of Treaty Requirements | | | | 52,176 |
| Accountable Deliveries to Mexico | | | _ | 1,552,176 |
| Water Bypassed Pursuant to IBWC Minute 242 | | | | 131,063 |
| Water Provided to the United States Pursuant to Section IX.A of IBWC Minute 323 | | | | 36,367 |
| Mexico's Water Reserve | BOY Balance | Creation | Reductions ² | EOY Balance |
| | 132,975 | 67,394 T | o Be Determined | To Be Determined |
| Interstate Water Banking | BOY Balance | Storage ³ | Recovered | EOY Balance |
| Water Stored in Arizona by the AWBA for the Benefit of SNWA, NV | 613,846 | 0 | 0 | 613,846 |
| Water Stored in California by the MWD for the Benefit of SNWA, NV | 330,225 | 0 | 0 | 330,225 |
| Total Water Stored for the Benefit of SNWA, NV | 944,071 | 0 | 0 | 944,071 |
| Lower Colorado Water Supply Project Use ⁴ | | Non-Federal | Federal | Total |
| | | 9,863 | 137 | 10,000 |
| Intentionally Created Surplus ⁵ | BOY Balance ⁶ | Creation ⁷ | Reductions 8 | EOY Balance 9 |
| Arizona | 473,504 | 143,261 | (18,023) | 598,742 |
| California | 1,053,210 | 358,071 | (35,410) | 1,375,871 |
| Nevada | 785,366 | 88,295 | (7,920) | 865,741 |
| Total - Lower Division States | 2,312,080 | 589,627 | (61,353) | 2,840,354 |
| Drought Contingency/Binational Water Scarcity Contingency Plan Contributions ¹⁰ | | Required | Total | Contribution |
| Drought Contingency/Binational Water Scarcity Contingency Plan Contributions | | Contribution | Contribution | Deficiency 11 |
| Arizona | | 192,000 | 180,608 | 11,392 |
| California | | 0 | 0 | 0 |
| Nevada | | 8,000 | 8,000 | 0 |
| Total - Lower Division States | | 200,000 | 188,608 | 11,392 |
| Mexico's Binational Water Scarcity Contingency Plan Contribution 12 | | 41,000 | 41,000 | - |
| ALC ALLEYS P. H. H. L. S. L. P. H. | | | | |

Note: A dash (-) indicates the column is not applicable.

Footnotes: See next page.

Table 1 Footnotes:

- ¹ Values shown are provisional and subject to change as they are pending finalization between the United States and Mexican Sections of the IBWC. This page will be updated after the accounting has been finalized.
- ² Reductions include system assessment, delivery, and transfer of water to the United States.
- ³ The net volume of water stored by the storing entity during the reporting year and available for delivery to the storing entity in a future year. For additional information, see Table 12.
- ⁴ Pumpage of the Lower Colorado Water Supply Project wellfield to offset certain Colorado River water uses in California. For additional information, see Table 16.
- ⁵ Values shown include System Efficiency ICS, Extraordinary Conservation ICS, Binational ICS, Tributary Conservation ICS, and Imported ICS. For additional information, see Table 22.
- ⁶ BOY Balance reflects the amount shown as the "EOY Balance" in the 2019 Colorado River Accounting and Water Use Report as adjusted for any differences between provisional and verified 2019 ICS creation amounts.
- ⁷ ICS creation amounts are provisional until verified by Reclamation. The total annual Extraordinary Conservation ICS creation for 2020 remained within the 625,000 AF Extraordinary Conservation maximum limitation set forth in Section XI.G.3.B.4 of the 2007 Interim Guidelines. For additional information, see Table 22.
- ⁸ Reductions include system assessment, IOPP payback, delivery, and evaporation (as applicable). For additional information, see Table 22.
- ⁹ In 2020, each state remained within its maximum ICS accumulation limit as set forth in Section IV.C. of <u>Lower Basin Drought Contingency Operations</u> (LBOps). For additional information, see Table 22.
- ¹⁰ The DCP Contribution required during the reporting year in accordance with Section III.B of LBOps and as summarized in LBOps Table 1. In accordance with Section III.E.3 of LBOps, because the actual January 1, 2020 Lake Mead elevation was higher than 1,090 feet, any ICS created for the purpose of simultaneous creation and conversion to DCP ICS remained available as the type of ICS originally created. For additional information, see Table 23.
- ¹¹ In accordance with Section III.E.4 of LBOps, a state's DCP Contribution Deficiency will be added to the state's required DCP Contribution for 2021.
- ¹² The Binational Water Scarcity Contingency Plan Contribution required during the reporting year in accordance with Section IV of IBWC Minute 323 and Section II of the Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019. The accounting for how Mexico met its BWSCP Contribution in 2020 is under development. This page will be updated after the accounting has been finalized.

Table 2. Monthly Storage Contents of the Colorado River System Reservoirs, Calendar Year 2020. (Values in thousand acre-feet except as noted.)

| | 2019 EOY Balance | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | CHANGE |
|---|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| End of Month Live Storage ¹ | | | | | | | | | | | | | | |
| Lake Powell | 12,604 | 12,281 | 12,011 | 11,818 | 11,685 | 12,239 | 12,793 | 12,357 | 11,723 | 11,371 | 10,977 | 10,615 | 10,130 | -2,474 |
| Percentage of Lake Powell Live Storage ² | 51.8% | 50.5% | 49.4% | 48.6% | 48.0% | 50.3% | 52.6% | 50.8% | 48.2% | 46.8% | 45.1% | 43.6% | 41.6% | -10.2% |
| Lake Mead | 10,899 | 11,265 | 11,405 | 11,610 | 11,415 | 10,971 | 10,605 | 10,398 | 10,349 | 10,279 | 10,167 | 10,100 | 10,322 | -577 |
| Percentage of Lake Mead Live Storage ³ | 41.7% | 43.1% | 43.7% | 44.4% | 43.7% | 42.0% | 40.6% | 39.8% | 39.6% | 39.4% | 38.9% | 38.7% | 39.5% | -2.2% |
| Total Live Storage - Lake Powell and Lake Mead | 23,503 | 23,546 | 23,416 | 23,428 | 23,100 | 23,210 | 23,398 | 22,755 | 22,072 | 21,650 | 21,144 | 20,715 | 20,452 | -3,051 |
| Total Percent of Live Storage - Lake Powell and Lake Mead | 46.6% | 46.7% | 46.4% | 46.4% | 45.8% | 46.0% | 46.4% | 45.1% | 43.8% | 42.9% | 41.9% | 41.1% | 40.5% | -6.0% |
| Lake Mohave | 1,638 | 1,653 | 1,674 | 1,708 | 1,696 | 1,703 | 1,708 | 1,696 | 1,688 | 1,525 | 1,503 | 1,613 | 1,586 | -52 |
| Lake Havasu | 583 | 552 | 583 | 543 | 569 | 571 | 577 | 572 | 581 | 554 | 576 | 571 | 551 | -32 |
| Reservoir Storage in the Lower Basin ⁴ | 13,120 | 13,470 | 13,662 | 13,861 | 13,680 | 13,245 | 12,890 | 12,666 | 12,618 | 12,358 | 12,246 | 12,284 | 12,459 | -661 |
| Percentage of Live Storage in the Lower Basin ⁵ | 46.0% | 47.2% | 47.9% | 48.6% | 47.9% | 46.4% | 45.2% | 44.4% | 44.2% | 43.3% | 42.9% | 43.0% | 43.6% | -2.3% |
| Lower Basin Storage plus Lake Powell ⁶ | 25,724 | 25,751 | 25,673 | 25,679 | 25,365 | 25,484 | 25,683 | 25,023 | 24,341 | 23,729 | 23,223 | 22,899 | 22,589 | -3,135 |
| Percentage of Live Storage, Lower Basin plus Lake Powell ⁷ | 48.7% | 48.7% | 48.6% | 48.6% | 48.0% | 48.2% | 48.6% | 47.3% | 46.0% | 44.9% | 43.9% | 43.3% | 42.7% | -5.9% |
| Total System Live Storage ⁸ | 31,295 | 31,185 | 31,001 | 30,985 | 30,648 | 30,955 | 31,329 | 30,613 | 29,699 | 28,895 | 28,240 | 27,890 | 27,527 | -3,768 |
| Percentage of Total System Live Storage ⁹ | 52.5% | 52.3% | 52.0% | 52.0% | 51.4% | 51.9% | 52.5% | 51.3% | 49.8% | 48.5% | 47.4% | 46.8% | 46.2% | -6.3% |

¹ Actual values may differ from the displayed values due to rounding and being displayed to the nearest thousand acre-feet.

² Percentage of total live storage capacity available in Lake Powell. Based on total live storage capacity of 24,322,000 AF.

³ Percentage of total live storage capacity available in Lake Mead. Based on total live storage capacity of 26,120,000 AF.

⁴The sum of end-of-month storage in reservoirs Mead, Mohave, and Havasu.

⁵ The percentage of available live storage capacity held in the Lower Basin (Lakes Mead, Mohave and Havasu). Based on total live storage capacity of 28,549,000 AF.

⁶ The sum of end-of-month storage in Lake Powell (Upper Basin) and Lakes Mead, Mohave and Havasu (Lower Basin).

⁷ The percentage of available total live storage capacity held in Lake Powell (Upper Basin) and Lakes Mead, Mohave, and Havasu (Lower Basin). Based on total live storage capacity of 52,871,000 AF.

⁸ Total end-of-month system storage; includes Reclamation reservoirs in the Upper and Lower Basins of the Colorado River system.

⁹ The percentage of total end-of-month system storage. This includes the Upper Basin Lakes Powell, Navajo, Crystal, Morrow Point, Blue Mesa, Flaming Gorge, Fontenelle, and Lower Basin Lakes Mead, Mohave, and Havasu. Based on total live system storage capacity of 59,626,000 AF.

COMPILATION OF RECORDS IN ACCORDANCE WITH ARTICLE V OF THE CONSOLIDATED DECREE OF THE UNITED STATES SUPREME COURT IN ARIZONA v. CALIFORNIA, 547 U.S. 150 (2006)

In accordance with Article V of the Consolidated Decree of the United States Supreme Court in Arizona *v.* California, 547 U.S. 150 (2006) (Consolidated Decree):

"The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

- (A) Releases of water through regulatory structures controlled by the United States;
- (B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

- (C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;
- (D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and, separately stated, water passing to Mexico in excess of treaty requirements;
- (E) Diversions of water from the mainstream of the Gila and San Francisco Rivers and the consumptive use of such water, for the benefit of the Gila National Forest."

This Colorado River Accounting and Water Use Report: Arizona, California, and Nevada presents the records compiled pursuant to the Consolidated Decree for Calendar Year 2020. Copies of this and previous years' reports may be found on the Bureau of Reclamation's website at: https://www.usbr.gov/lc/region/g4000/wtracct.html.

ARTICLE V(A): RECORDS OF RELEASES OF WATER THROUGH REGULATORY STRUCTURES CONTROLLED BY THE UNITED STATES

In accordance with Article V(A) of the Consolidated Decree, Table 3 documents records of releases of Colorado River water through Glen Canyon, Hoover, Davis, Parker, Palo Verde, Imperial and Laguna Dams. Records of releases through Glen Canyon and Hoover Dams are provided by the Bureau of Reclamation. Records of releases through Davis, Parker, Palo Verde, Imperial and Laguna Dams are provided by the United States Geological Survey (USGS) and are based upon measurements at or downstream of the dams.

The record of river flow through Headgate Rock Dam is computed using the record of flow at USGS gaging station 09427520 "Colorado River below Parker Dam, AZ-CA" and deducting from it the record of flow at the USGS gaging station 09428500 "Colorado River Indian Reservation Main Canal near Parker, AZ" measured at Headgate Rock Dam.

The record of flow through Imperial Dam is computed as the sum of releases through the Dam, plus water delivered to Mittry Lake and the Laguna Division Conservation Area. Flow through the Dam does not include diversions into the All-American Canal and the Gila Gravity Main Canal.

Table 3. Releases of Water Through Regulatory Structures Controlled by the United States, Calendar Year 2020. (Values are in acre-feet.)

| STRUCTURE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Glen Canyon Dam | 759,865 | 675,271 | 699,880 | 630,108 | 628,666 | 649,886 | 749,930 | 833,112 | 602,031 | 640,194 | 640,161 | 718,830 | 8,227,934 |
| Hoover Dam | 404,941 | 556,863 | 593,005 | 861,780 | 1,056,924 | 973,266 | 901,802 | 847,125 | 645,852 | 729,810 | 714,409 | 497,023 | 8,782,800 |
| Davis Dam | 389,400 | 522,100 | 557,300 | 900,500 | 1,068,000 | 936,800 | 899,300 | 854,000 | 854,300 | 785,400 | 596,200 | 532,000 | 8,895,300 |
| Parker Dam | 355,600 | 410,800 | 450,500 | 627,500 | 818,700 | 735,800 | 727,800 | 676,200 | 551,900 | 445,000 | 331,100 | 268,300 | 6,399,200 |
| Headgate Rock Dam | 338,100 | 380,530 | 439,350 | 580,280 | 760,970 | 679,720 | 668,250 | 618,750 | 511,080 | 416,810 | 308,010 | 240,400 | 5,942,250 |
| Palo Verde Diversion Dam | 240,300 | 311,000 | 395,400 | 546,600 | 614,400 | 576,400 | 572,100 | 511,600 | 438,200 | 373,300 | 306,900 | 221,500 | 5,107,700 |
| Imperial Dam | 23,730 | 22,860 | 63,610 | 99,250 | 28,799 | 22,170 | 23,810 | 32,020 | 28,060 | 25,069 | 46,030 | 36,560 | 451,968 |
| GGMC Diversion for Mittry Lake | 761 | 637 | 701 | 796 | 810 | 800 | 821 | 801 | 789 | 776 | 704 | 697 | 9,093 |
| GGMC Diversion for Laguna Division Conservation Area | 5,002 | 4,631 | 4,850 | 4,887 | 5,184 | 4,927 | 4,958 | 4,777 | 4,504 | 1,796 | 4,006 | 4,913 | 54,435 |
| Sum of Imperial Dam, Mittry, and Laguna | 29,493 | 28,128 | 69,161 | 104,933 | 34,793 | 27,897 | 29,589 | 37,598 | 33,353 | 27,641 | 50,740 | 42,170 | 515,496 |
| Laguna Dam | 30,030 | 28,860 | 65,800 | 100,500 | 38,440 | 28,799 | 28,920 | 36,400 | 30,850 | 27,420 | 49,810 | 46,000 | 511,829 |

ARTICLE V(B): RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE

In accordance with Article V(B) of the Consolidated Decree, Tables 4 through 6 document the final records of diversions of water from the mainstream of the Colorado River, return flow to the mainstream, and the consumptive use of such water within the Lower Division States of Arizona, California, and Nevada.

The tabulations, based upon records furnished by the Bureau of Reclamation, the United States Geological Survey (USGS), the International Boundary and Water Commission, water users, or other agencies, document quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped directly from the mainstream, or pumped from wells in the Colorado River aquifer.

There are a number of smaller entities for which diversions are reported annually by either the USGS or by the water user. For those diversions reported by the USGS, the USGS verifies the crops being grown and uses evapotranspiration methodologies to estimate the crop consumptive use; the USGS then applies irrigation efficiency coefficients to derive the estimated diversions.

For each water user, this tabulation reports the user's total diversion, measured return flow, estimated unmeasured return flow, and consumptive use. Unmeasured returns are generally computed by multiplying a water user's diversion by an unmeasured return flow factor. Reclamation continues to refine estimates of unmeasured returns.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to:

(1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior, or (3) a Secretarial reservation of water. The listing of a use in this report should not be interpreted as an entitlement or an indication that the use is authorized.

For those water users whose diversions are made from the All-American Canal or the Gila Gravity Main Canal, diversions include each user's proportionate share of the total canal losses, which are added to the delivery taken by each user at its turnout from the canal. The portion of the canal loss which returns to the mainstream is provided to each water user as a return flow credit.

For the areas downstream of the Northerly International Boundary (NIB), Reclamation does not consider pumping of wells from the flood plain or the underlying aquifer to be a diversion of Colorado River water. This position is based on the following: the groundwater can reasonably be assumed to be flowing towards Mexico and therefore, not to be flowing toward the Colorado River upstream of Mexico's point of diversion near NIB. As such, this water does not return to the River to be made available for consumptive use in the United States or in satisfaction of the Mexican Treaty Obligation. In accordance with this position, Reclamation discontinued reporting pumping from these wells beginning in 2004. If hydrologic conditions change, Reclamation will address the need to report pumping from these wells.

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¹ Summary Description of Accounting for Water Use in the Yuma Area Beginning with Calendar Year 2003. Available on Reclamation's website at: https://www.usbr.gov/lc/region/g4000/4200Rpts/YumaWtrAcct.pdf.

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| Marble Canyon Company | | | | | | | | | | | | | | |
| Pumped from well | Diversion | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 4 |
| | Consumptive Use | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| Lake Mead National Recreation Area National Park Service | | | | | | | | | | | | | | |
| Pumped from well at Temple Bar | Diversion | 1 | 1 | 1 | 3 | 1 | 7 | 9 | 9 | 10 | 7 | 4 | 3 | 56 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 1 | 1 | 1 | 3 | 1 | 7 | 9 | 9 | 10 | 7 | 4 | 3 | 56 |
| Lake Mead National Recreation Area National Park Service | | | | | | | | | | | | | | |
| Pumped from Lake Mohave - Katherine Landing | Diversion | 15 | 16 | 12 | 12 | 13 | 16 | 19 | 22 | 17 | 14 | 11 | 11 | 178 |
| Pumped from Lake Mohave - Willow Beach | Diversion | 3 | 3 | 2 | 1 | 3 | 3 | 4 | 4 | 4 | 4 | 2 | 2 | 35 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 18 | 19 | 14 | 13 | 16 | 19 | 23 | 26 | 21 | 18 | 13 | 13 | 213 |
| McAlister Family Trust | · | | | | | | | | | | | | | |
| Pumped from river and well | Diversion | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 |
| | Consumptive Use | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 7 |
| Bureau of Reclamation | | | | | | | | | | | | | | |
| Davis Dam Diversion | Diversion | 9 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 14 |
| | Measured Returns | 9 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 14 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bullhead City | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 677 | 672 | 660 | 748 | 946 | 987 | 1,122 | 1,123 | 1,094 | 886 | 802 | 797 | 10,514 |
| Mohave County Parks, Lake Mohave diversion | Diversion | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 16 |
| | Measured Returns | 24 | 31 | 32 | 31 | 29 | 29 | 29 | 35 | 34 | 27 | 27 | 21 | 349 |
| | Unmeasured Returns | 224 | 222 | 218 | 247 | 313 | 326 | 371 | 371 | 362 | 293 | 265 | 263 | 3,475 |
| Makasa Watan Cananastian Bistoist | Consumptive Use | 430 | 420 | 411 | 471 | 605 | 634 | 724 | 719 | 700 | 567 | 511 | 514 | 6,706 |
| Mohave Water Conservation District | Diversion | 7.4 | 71 | 75 | 70 | 0.0 | ٥٢ | 104 | 110 | 105 | 104 | 00 | 00 | 1 000 |
| Pumped from wells | Diversion | 74 | 71 | 75 | 78 | 96 | 95 | 104 | 110 | 105 | 104 | 90 | 88 | 1,090 0 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • |
| | Unmeasured Returns | 24 50 | 24 47 | 25 50 | 26 52 | 32 64 | 31 64 | 34 70 | 36 74 | 35 70 | 34 70 | 30 60 | 29 59 | 360 730 |
| EPCOR Water Arizona, Inc. | Consumptive Use | 50 | 47 | 50 | 52 | 04 | 04 | 70 | /4 | 70 | 70 | 00 | 29 | 730 |
| Pumped from wells | Diversion | 54 | 56 | 55 | 59 | 66 | 66 | 75 | 85 | 82 | 79 | 71 | 69 | 817 |
| i diffed from wells | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 09 | 0 |
| | Unmeasured Returns | 19 | 19 | 19 | 21 | 23 | 23 | 26 | 30 | 29 | 28 | 25 | 24 | 286 |
| | Consumptive Use | 35 | 37 | 36 | 38 | 43 | 43 | 49 | 55 | 53 | 51 | 46 | 45 | 531 |
| Mohave Valley I.D.D. | 75 | | J. | - 55 | - 55 | | | | - 55 | - 55 | ٥. | | | 551 |
| Pumped from wells and Topock Marsh Inlet for agriculture use | Diversion | 859 | 1,154 | 454 | 2,242 | 2,450 | 2,448 | 2,682 | 2,253 | 2,154 | 1,383 | 914 | 465 | 19,458 |
| Pumped from wells for domestic use | Diversion | 415 | 362 | 424 | 497 | 579 | 665 | 668 | 681 | 729 | 664 | 523 | 459 | 6,666 |
| , | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 586 | 697 | 404 | 1,260 | 1,393 | 1,432 | 1,541 | 1,350 | 1,326 | 942 | 661 | 425 | 12,017 |
| | Consumptive Use | 688 | 819 | 474 | 1,479 | 1,636 | 1,681 | 1,809 | 1,584 | 1,557 | 1,105 | 776 | 499 | 14,107 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|-------------------------------|--------|--------|--------|---------|---------|---------|--------|--------|---------|---------|---------|---------|-----------|
| Fort Mojave Indian Reservation | | | | | | | | | | | | | | |
| Pumped from river for agriculture use | Diversion | 2,315 | 2,810 | 1,662 | 6,035 | 9,237 | 7,452 | 7,124 | 7,437 | 5,876 | 5,387 | 2,943 | 3,139 | 61,417 |
| Pumped from river and wells for domestic use | Diversion | 316 | 296 | 321 | 350 | 675 | 441 | 481 | 572 | 578 | 289 | 95 | 198 | 4,612 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1,210 | 1,429 | 912 | 2,937 | 4,560 | 3,631 | 3,498 | 3,684 | 2,969 | 2,611 | 1,397 | 1,535 | 30,373 |
| | Consumptive Use | 1,421 | 1,677 | 1,071 | 3,448 | 5,352 | 4,262 | 4,107 | 4,325 | 3,485 | 3,065 | 1,641 | 1,802 | 35,656 |
| Golden Shores Water Conservation District | · · | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 27 | 25 | 27 | 36 | 41 | 45 | 48 | 50 | 46 | 33 | 25 | 30 | 433 |
| · | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 9 | 8 | 9 | 12 | 14 | 15 | 16 | 16 | 15 | 11 | 8 | 10 | 143 |
| | Consumptive Use | 18 | 17 | 18 | 24 | 27 | 30 | 32 | 34 | 31 | 22 | 17 | 20 | 290 |
| Havasu National Wildlife Refuge | · · | | | | | | | | | | | | | |
| Firebreak Inlet Canal | Diversion | 0 | 281 | 815 | 3,171 | 5,083 | 4,093 | 2,963 | 2,711 | 2,532 | 1,697 | 546 | 0 | 23,892 |
| Farm Ditch | Diversion ¹ | -5 | 15 | 100 | 577 | 692 | 459 | 225 | 263 | 199 | 117 | 8 | -10 | 2,640 |
| Pumped from well | Diversion | 10 | 11 | 15 | 17 | 20 | 25 | 27 | 26 | 20 | 17 | 12 | 12 | 212 |
| | Measured Returns ² | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 4 | 270 | 819 | 3,313 | 5,100 | 4,028 | 2,829 | 2,640 | 2,421 | 1,611 | 498 | 2 | 23,535 |
| | Consumptive Use | 1 | 37 | 111 | 452 | 695 | 549 | 386 | 360 | 330 | 220 | 68 | 0 | 3,209 |
| Crystal Beach Water Conservation District | consumptive esc | | ٥. | | .52 | 033 | 3.3 | 500 | 500 | 550 | | 00 | | 3,203 |
| Pumped from wells | Diversion | 7 | 7 | 8 | 9 | 11 | 11 | 11 | 11 | 10 | 10 | 9 | 8 | 112 |
| · p·· | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 3 | 39 |
| | Consumptive Use | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 73 |
| Lake Havasu City | · · | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 784 | 758 | 784 | 898 | 1,182 | 1,103 | 1,127 | 1,167 | 1,100 | 1,315 | 1,259 | 993 | 12,470 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 298 | 288 | 298 | 341 | 449 | 419 | 428 | 444 | 418 | 500 | 478 | 377 | 4,738 |
| | Consumptive Use | 486 | 470 | 486 | 557 | 733 | 684 | 699 | 723 | 682 | 815 | 781 | 616 | 7,732 |
| Arizona State Parks (Windsor Beach) | · · | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 15 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 5 |
| | Consumptive Use | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 10 |
| Central Arizona Project | | | | | | | | | | | | | | |
| Pumped from Lake Havasu | Diversion | 75,318 | 74,716 | 94,056 | 148,297 | 179,746 | 103,316 | 69,322 | 61,464 | 164,300 | 163,523 | 123,148 | 145,331 | 1,402,537 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 75,318 | 74,716 | 94,056 | 148,297 | 179,746 | 103,316 | 69,322 | 61,464 | 164,300 | 163,523 | 123,148 | 145,331 | 1,402,537 |
| Hillcrest Water Company | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 29 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 10 |
| | Consumptive Use | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 19 |
| Springs Del Sol Domestic Water Improvement District | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | Consumptive Use | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Brooke Water, LLC | | | | | | | | | | | | | | |
| Pumped from river and wells | Diversion | 32 | 33 | 34 | 41 | 46 | 47 | 52 | 47 | 68 | 40 | 36 | 36 | 512 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 11 | 11 | 11 | 14 | 15 | 15 | 17 | 16 | 22 | | 12 | 12 | 169 |
| | Consumptive Use | 21 | 22 | 23 | 27 | 31 | 32 | 35 | 31 | 46 | | 24 | 24 | 343 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Town of Parker | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 50 | 45 | 48 | 55 | 100 | 91 | 95 | 96 | 82 | 70 | 56 | 42 | 830 |
| | Measured Returns | 18 | 16 | 16 | 16 | 16 | 16 | 14 | 19 | 19 | 20 | 17 | 18 | 205 |
| | Unmeasured Returns | 14 | 13 | 14 | 15 | 29 | 26 | 27 | 27 | 23 | 20 | 16 | 12 | 236 |
| | Consumptive Use | 18 | 16 | 18 | 24 | 55 | 49 | 54 | 50 | 40 | 30 | 23 | 12 | 389 |
| Colorado River Indian Reservation | · | | | | | | | | | | | | | |
| Diversion at Headgate Rock Dam | Diversion | 17,500 | 30,270 | 11,150 | 47,220 | 57,730 | 56,080 | 59,550 | 57,450 | 40,820 | 28,190 | 23,090 | 27,900 | 456,950 |
| Pumped from river and wells | Diversion | 122 | 115 | 129 | 146 | 235 | 225 | 247 | 237 | 200 | 175 | 136 | 109 | 2,076 |
| | Measured Returns | 14,664 | 17,260 | 13,356 | 20,734 | 23,269 | 22,520 | 23,402 | 23,325 | 20,230 | 18,090 | 16,775 | 17,692 | 231,317 |
| | Unmeasured Returns | 969 | 1,671 | 620 | 2,605 | 3,188 | 3,097 | 3,289 | 3,173 | 2,256 | 1,560 | 1,277 | 1,541 | 25,246 |
| | Consumptive Use | 1,989 | 11,454 | -2,697 | 24,027 | 31,508 | 30,688 | 33,106 | 31,189 | 18,534 | 8,715 | 5,174 | 8,776 | 202,463 |
| GM Gabrych Family | | | | | | | | | | | | | | |
| Pumped from river (AEP-9) and well (AEW-35) | Diversion | 0 | 650 | 87 | 102 | 722 | 1,086 | 998 | 225 | 369 | 105 | 0 | 0 | 4,344 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 227 | 30 | 36 | 253 | 380 | 349 | 79 | 129 | 37 | 0 | 0 | 1,520 |
| | Consumptive Use | 0 | 423 | 57 | 66 | 469 | 706 | 649 | 146 | 240 | 68 | 0 | 0 | 2,824 |
| Ehrenberg Improvement District | | | | | | | | | | | | | | |
| Pumped from river | Diversion | 74 | 18 | 25 | 33 | 34 | 34 | 36 | 37 | 33 | 31 | 22 | 21 | 398 |
| | Measured Returns | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 25 |
| | Unmeasured Returns | 21 | 5 | 7 | 9 | 10 | 10 | 10 | 11 | 10 | 8 | 6 | 6 | 113 |
| | Consumptive Use | 50 | 11 | 16 | 22 | 22 | 22 | 24 | 24 | 21 | 21 | 14 | 13 | 260 |
| B&F Investment, LLC | | | | | | | | | | | | | | |
| Delivered by Ehrenberg Improvement District | Diversion | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 0 | 0 | 0 | 20 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| | Consumptive Use | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 14 |
| North Baja Pipeline | · | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 46 | 21 | 44 | 46 | 46 | 1 | 51 | 4 | 16 | 20 | 29 | 28 | 352 |
| · | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 16 | 7 | 16 | 16 | 16 | 0 | 18 | 1 | 6 | 7 | 10 | 10 | 123 |
| | Consumptive Use | 30 | 14 | 28 | 30 | 30 | 1 | 33 | 3 | 10 | 13 | 19 | 18 | 229 |
| Cibola Valley I.D.D. | · · | | | | | | | | | | | | | |
| Pumped from river for agriculture use | Diversion | 110 | 541 | 543 | 441 | 1,081 | 1,533 | 1,504 | 1,045 | 576 | 426 | 339 | 283 | 8,422 |
| Pumped from river for domestic use | Diversion | 2 | 2 | 2 | 2 | 4 | 4 | 5 | 3 | 3 | 2 | 2 | 2 | 33 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 32 | 155 | 156 | 126 | 309 | 438 | 430 | 299 | 165 | 122 | 97 | 81 | 2,410 |
| | Consumptive Use | 80 | 388 | 389 | 317 | 776 | 1,099 | 1,079 | 749 | 414 | 306 | 244 | 204 | 6,045 |
| Red River Land Company, LLC | | | | | | | | | | | | | | |
| Pumped from river | Diversion | 0 | 36 | 0 | 0 | 24 | 83 | 61 | 68 | 28 | 0 | 0 | 0 | 300 |
| · | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 10 | 0 | 0 | 7 | 24 | 17 | 19 | 8 | 0 | 0 | 0 | 85 |
| | Consumptive Use | 0 | 26 | 0 | 0 | 17 | 59 | 44 | 49 | 20 | 0 | 0 | 0 | 215 |
| Western Water, LLC | · | | | | | | | | | | | | | |
| Pumped from river | Diversion | 2 | 4 | 6 | 8 | 10 | 11 | 11 | 11 | 9 | 5 | 3 | 3 | 83 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 23 |
| | Consumptive Use | 1 | 3 | 5 | 6 | 7 | 8 | 8 | 8 | 6 | 4 | 2 | 2 | 60 |
| Hopi Tribe | | | | | | | | | | | | | | |
| Pumped from river | Diversion | 0 | 402 | 254 | 135 | 550 | 716 | 1,068 | 875 | 635 | 103 | 0 | 44 | 4,782 |
| • | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 115 | 72 | 39 | 157 | 204 | 304 | 249 | 181 | 29 | 0 | 13 | 1,363 |
| | Consumptive Use | 0 | 287 | 182 | 96 | 393 | 512 | 764 | 626 | 454 | 74 | 0 | 31 | 3,419 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|------------------------------|-----|-------|-------|-------|-------|-------|------------|-------|------------|-------|-----|-----|----------------|
| GSC Farm, LLC | | | | | | | | | | | | | | |
| Pumped from river | Diversion | 106 | 216 | 12 | 297 | 393 | 390 | 504 | 446 | 406 | 49 | 90 | 0 | 2,909 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 30 | 61 | 4 | 85 | 112 | 111 | 143 | 127 | 116 | 14 | 26 | 0 | 829 |
| | Consumptive Use | 76 | 155 | 8 | 212 | 281 | 279 | 361 | 319 | 290 | 35 | 64 | 0 | 2,080 |
| Arizona Game and Fish Commission | · | | | | | | | | | | | | | |
| Pumped from river | Diversion | 0 | 445 | 0 | 431 | 649 | 271 | 137 | 328 | 270 | 286 | 0 | 0 | 2,817 |
| ' | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 127 | 0 | 123 | 185 | 77 | 39 | 93 | 77 | 82 | 0 | 0 | 803 |
| | Consumptive Use | 0 | 318 | 0 | 308 | 464 | 194 | 98 | 235 | 193 | 204 | 0 | 0 | 2,014 |
| Cibola Island | | _ | | | | | | | | | | - | • | _,, |
| Pumped from river | Diversion | 18 | 57 | 85 | 140 | 93 | 108 | 114 | 105 | 28 | 41 | 28 | 139 | 956 |
| - Composition in the | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 5 | 16 | 24 | 40 | 26 | 31 | 32 | 30 | 8 | 12 | 8 | 40 | 272 |
| | Consumptive Use ³ | 13 | 41 | 61 | 100 | 67 | 77 | 82 | 75 | 20 | 29 | 20 | 99 | 684 |
| Cibola National Wildlife Refuge | consumptive osc | 13 | 71 | 01 | 100 | 01 | ,, | 02 | 73 | 20 | 23 | 20 | 33 | 004 |
| Pumped from river | Diversion | 293 | 1,191 | 1,057 | 1,334 | 1,284 | 1,364 | 1,142 | 1,669 | 1,313 | 1,100 | 742 | 546 | 13,035 |
| rumped from fiver | Measured Returns | 293 | 0 | 0 | 1,334 | 1,204 | 1,304 | 0 | 0 | 0 | 0 | 0 | 0 | 13,033 |
| | Unmeasured Returns | 111 | | 402 | 507 | 488 | | | 634 | 499 | 418 | 282 | 207 | |
| | | | 453 | | | | 518 | 434 708 | | 499 814 | | | | 4,953 8,082 |
| I TALK DE LANGUES DE | Consumptive Use | 182 | 738 | 655 | 827 | 796 | 846 | 706 | 1,035 | 014 | 682 | 460 | 339 | 0,002 |
| Imperial National Wildlife Refuge | Diversion | 177 | 202 | 272 | 2.47 | 210 | 200 | FF.4 | 400 | 421 | 1 250 | 205 | 255 | 4.002 |
| Pumped from river | Diversion | 177 | 203 | 273 | 247 | 310 | 399 | 554 | 409 | 421 | 1,250 | 305 | 255 | 4,803 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 67 | 77 | 104 | 94 | 118 | 152 | 210 | 155 | 160 | 475 | 116 | 97 | 1,825 |
| D (1 184) | Consumptive Use | 110 | 126 | 169 | 153 | 192 | 247 | 344 | 254 | 261 | 775 | 189 | 158 | 2,978 |
| Bureau of Land Management | <u> </u> | 226 | 0.7 | 20 | | 70 | | 4.0 | 420 | | | | 0.7 | 4 007 |
| Pumped from river and wells (Permittees, LHFO and YFO) | Diversion | 226 | 87 | 39 | 59 | 79 | 84 | 16 | 130 | 61 | 75 | 54 | 97 | 1,007 |
| Pumped from river (ADW-01) (leased by L. Pratt) | Diversion ⁴ | 5 | 6 | 8 | 9 | 11 | 13 | 14 | 14 | 11 | 9 | 6 | 6 | 112 |
| Pumped from river (ADP-1) and well (AEW-14) (leased by M. Lee) | Diversion ⁴ | 9 | 11 | 15 | 16 | 19 | 23 | 25 | 25 | 19 | 16 | 11 | 11 | 200 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 84 | 37 | 22 | 28 | 38 | 42 | 20 | 59 | 32 | 35 | 25 | 40 | 462 |
| | Consumptive Use | 156 | 67 | 40 | 56 | 71 | 78 | 35 | 110 | 59 | 65 | 46 | 74 | 857 |
| Fisher's Landing Water and Sewer, LLC | | | | | | | | | | | | | | |
| Pumped from well | Diversion | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| | Consumptive Use | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Shepard Water Company | | | | | | | | | | | | | | |
| Pumped from well | Diversion | 3 | 3 | 1 | 2 | 2 | 4 | 2 | 2 | 3 | 2 | 2 | 3 | 29 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| | Consumptive Use | 2 | 2 | 1 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 19 |
| U.S. Army Yuma Proving Grounds | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 9 |
| Pumped from wells | Diversion | 33 | 23 | 17 | 36 | 47 | 59 | 57 | 52 | 64 | 48 | 20 | 28 | 484 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 33 | 23 | 17 | 39 | 49 | 61 | 57 | 53 | 64 | 49 | 20 | 28 | 493 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| JRJ Partners, LLC | | | | | | | | | | | | | | |
| Pumped from river (AEP-1) and well (AEW-3) | Diversion | 45 | 31 | 93 | 115 | 112 | 75 | 117 | 100 | 21 | 106 | 112 | 98 | 1,025 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 16 | 11 | 33 | 40 | 39 | 26 | 41 | 35 | 8 | 37 | 39 | 34 | 359 |
| | Consumptive Use | 29 | 20 | 60 | 75 | 73 | 49 | 76 | 65 | 13 | 69 | 73 | 64 | 666 |
| Cha Cha, LLC | · · | | | | | | | | | | | | | |
| Pumped from river (AEP-2/3) and wells (AEW-4/5, ADW-3) | Diversion | 73 | 74 | 39 | 110 | 165 | 114 | 70 | 118 | 92 | 84 | 68 | 59 | 1,066 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 26 | 26 | 14 | 38 | 58 | 40 | 24 | 41 | 32 | 29 | 24 | 21 | 373 |
| | Consumptive Use | 47 | 48 | 25 | 72 | 107 | 74 | 46 | 77 | 60 | 55 | 44 | 38 | 693 |
| Beattie Farms Southwest (Russell Youmans) | consumptive osc | ., | .0 | | | | | | | 00 | 33 | | 50 | 033 |
| Pumped from well (ADW-2) | Diversion | 62 | 46 | 13 | 152 | 213 | 165 | 0 | 0 | 121 | 72 | 84 | 36 | 964 |
| ramped non-well (NOW 2) | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 22 | 16 | 5 | 53 | 74 | 58 | 0 | 0 | 42 | 25 | 29 | 13 | 337 |
| | Consumptive Use | 40 | 30 | 8 | 99 | 139 | 107 | 0 | 0 | 79 | 47 | 55 | 23 | 627 |
| Gila Monster Farms | Consumptive Ose | 70 | 30 | 0 | ,,, | 133 | 107 | U | 0 | 13 | 71 | ,, | 23 | 021 |
| Diversion at Imperial Dam | Diversion | 491 | 253 | 744 | 865 | 920 | 795 | 320 | 300 | 572 | 814 | 754 | 724 | 7,552 |
| Diversion at imperial barn | Measured Returns | 23 | 12 | 56 | 32 | 32 | 31 | 18 | 14 | 27 | 40 | 34 | 58 | 377 |
| | Unmeasured Returns | 187 | 96 | 283 | 329 | 350 | 302 | 122 | 114 | 217 | 309 | 287 | 275 | 2,871 |
| | Consumptive Use | 281 | 145 | 405 | 504 | 538 | 462 | 180 | 172 | 328 | 465 | 433 | 391 | 4,304 |
| Wellton-Mohawk I.D.D. | Consumptive ose | 201 | 143 | 403 | 304 | 330 | 402 | 100 | 172 | 320 | 403 | 433 | 331 | 4,304 |
| | Diversion | 10.015 | 10.006 | 20.254 | 41 425 | 47 202 | 40.260 | 41 712 | 22.026 | 41 427 | 20.071 | 22.625 | 21.027 | 207.021 |
| Diversion at Imperial Dam | Diversion | 19,015 | 18,986 | 20,354 | 41,425 | 47,282 | 40,260 | 41,713 | 33,936 | 41,427 | 38,071 | 22,625 | 21,927 | 387,021 |
| | GGMC Return | 1,006 | 966 | 1,698 | 1,737 | 1,833 | 1,778 | 2,552 | 1,731 | 2,202 | 2,086 | 1,139 | 1,953 | 20,681 |
| | Dome Return | 680 | 531 | 555 | 509 | 521 | 352 | 435 | 325 | 376 | 435 | 536 | 580 | 5,835 |
| | MOD Return ⁵ | 8,819 | 7,940 | 8,194 | 7,720 | 7,877 | 7,400 | 7,952 | 7,687 | 8,289 | 8,981 | 8,801 | 8,817 | 98,477 |
| | Total Returns | 10,505 | 9,437 | 10,447 | 9,966 | 10,231 | 9,530 | 10,939 | 9,743 | 10,867 | 11,502 | 10,476 | 11,350 | 124,993 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 8,510 | 9,549 | 9,907 | 31,459 | 37,051 | 30,730 | 30,774 | 24,193 | 30,560 | 26,569 | 12,149 | 10,577 | 262,028 |
| City of Yuma | | | | | | | | | | | | | | |
| Diversion at Imperial Dam via AAC | Diversion | 1,396 | 1,273 | 1,322 | 1,381 | 1,703 | 1,738 | 1,864 | 2,003 | 1,693 | 1,536 | 1,421 | 1,387 | 18,717 |
| Diversion at Imperial Dam via GGMC | Diversion | 751 | 651 | 715 | 703 | 490 | 287 | 335 | 375 | 317 | 387 | 751 | 732 | 6,494 |
| Pumped from river for Yuma East Wetlands | Diversion | 26 | 26 | 26 | 30 | 29 | 46 | 42 | 40 | 48 | 31 | 30 | 26 | 400 |
| | Measured Returns | 1,030 | 876 | 969 | 820 | 833 | 839 | 891 | 983 | 970 | 1,011 | 1,008 | 1,022 | 11,252 |
| | Unmeasured Returns | 3 | 3 | 4 | 4 | 4 | 6 | 6 | 5 | 6 | 4 | 4 | 3 | 52 |
| | Consumptive Use | 1,140 | 1,071 | 1,090 | 1,290 | 1,385 | 1,226 | 1,344 | 1,430 | 1,082 | 939 | 1,190 | 1,120 | 14,307 |
| U.S. Marine Corps Air Station Yuma | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 76 | 65 | 95 | 102 | 124 | 144 | 153 | 147 | 126 | 122 | 84 | 58 | 1,296 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 76 | 65 | 95 | 102 | 124 | 144 | 153 | 147 | 126 | 122 | 84 | 58 | 1,296 |
| Union Pacific Railroad | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 48 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 19 |
| | Consumptive Use | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 29 |
| University of Arizona | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 64 | 57 | 13 | 105 | 79 | 82 | 64 | 110 | 90 | 54 | 72 | 12 | 802 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 64 | 57 | 13 | 105 | 79 | 82 | 64 | 110 | 90 | 54 | 72 | 12 | 802 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|-------------------------------|--------|--------|--------|--------|--------|--------|--------|-------------|--------|--------|--------|-------|---------|
| Yuma Union High School District | | | | | | | | | | | | | | |
| Delivery at East Main Canal | Diversion | 5 | 3 | 5 | 18 | 22 | 8 | 18 | 26 | 12 | 13 | 15 | 15 | 160 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 5 | 6 | 2 | 5 | 7 | 3 | 3 | 4 | 4 | 42 |
| | Consumptive Use | 4 | 2 | 4 | 13 | 16 | 6 | 13 | 19 | 9 | 10 | 11 | 11 | 118 |
| Desert Lawn Memorial Park | | | | | | | | | | | | | | |
| Delivered by the City of Yuma | Diversion | 1 | 3 | 3 | 1 | 4 | 5 | 4 | 5 | 5 | 4 | 2 | 1 | 38 |
| , , | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 1 | 1 | 0 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 0 | 12 |
| | Consumptive Use | 1 | 2 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 26 |
| North Gila Valley Irrigation District | consumptive osc | | _ | _ | • | | | | | | | • | | |
| Diversion at Imperial Dam | Diversion | 2,180 | 2,043 | 2,099 | 4,156 | 5,507 | 5,139 | 5,463 | 2,846 | 3,139 | 3,904 | 3,496 | 2,742 | 42,714 |
| Pumped from river | Diversion | 15 | 6 | 16 | 63 | 48 | 96 | 29 | 97 | 52 | 48 | 17 | 0 | 487 |
| Tumped from twee | Measured Returns | 1,679 | 1,432 | 1,633 | 2,340 | 2,958 | 2,907 | 3,110 | 2,015 | 2,148 | 2,561 | 2,369 | 2,198 | 27,350 |
| | Unmeasured Returns | 304 | 282 | 293 | 591 | 771 | 738 | 758 | 424 | 448 | 552 | 485 | 376 | 6,022 |
| | Consumptive Use | 212 | 335 | 189 | 1,288 | 1.826 | 1,590 | 1.624 | 504 | 595 | 839 | 659 | 168 | 9,829 |
| Yuma Irrigation District | Consumptive ose | 212 | 333 | 103 | 1,200 | 1,020 | 1,330 | 1,024 | 304 | 333 | 039 | 033 | 100 | 3,023 |
| | Diversion ⁶ | 3,720 | 3,940 | 4 125 | 0.062 | 8,861 | 6 260 | E E62 | 6 400 | 6,186 | 7 240 | 5,115 | 1 121 | 69,930 |
| Diversion at Imperial Dam | | | | 4,125 | 8,063 | | 6,268 | 5,563 | 6,409 26 | • | 7,249 | • | 4,431 | |
| Pumped from wells | Diversion | 10 | 71 | 130 | 163 | 93 | 93 | 89 | | 51 | 50 | 68 | 65 | 909 |
| | Measured Returns | 981 | 1,021 | 1,287 | 1,820 | 1,974 | 1,483 | 1,468 | 1,653 | 1,568 | 1,852 | 1,316 | 1,329 | 17,752 |
| | Unmeasured Returns | 794 | 854 | 906 | 1,752 | 1,907 | 1,355 | 1,204 | 1,371 | 1,328 | 1,555 | 1,104 | 958 | 15,088 |
| | Consumptive Use | 1,955 | 2,136 | 2,062 | 4,654 | 5,073 | 3,523 | 2,980 | 3,411 | 3,341 | 3,892 | 2,763 | 2,209 | 37,999 |
| Yuma Mesa I.D.D. | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 10,883 | 10,106 | 10,520 | 18,391 | 23,545 | 27,053 | 30,601 | 28,775 | 24,877 | 17,918 | 14,217 | 9,851 | 226,737 |
| | Measured Returns ' | 1,228 | 1,785 | 2,929 | 1,193 | 3,034 | 3,917 | 4,892 | 3,290 | 3,179 | 2,167 | 2,128 | 4,170 | 33,912 |
| | Unmeasured Returns | 1,741 | 1,617 | 1,683 | 2,943 | 3,767 | 4,328 | 4,896 | 4,604 | 3,980 | 2,867 | 2,275 | 1,576 | 36,277 |
| | Consumptive Use | 7,914 | 6,704 | 5,908 | 14,255 | 16,744 | 18,808 | 20,813 | 20,881 | 17,718 | 12,884 | 9,814 | 4,105 | 156,548 |
| Unit B I.D.D. | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 917 | 986 | 1,188 | 1,675 | 2,648 | 3,229 | 3,304 | 3,380 | 3,458 | 2,761 | 2,018 | 1,236 | 26,800 |
| | Measured Returns ⁷ | 145 | 260 | 443 | 121 | 456 | 599 | 691 | 464 | 494 | 353 | 342 | 676 | 5,044 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 772 | 726 | 745 | 1,554 | 2,192 | 2,630 | 2,613 | 2,916 | 2,964 | 2,408 | 1,676 | 560 | 21,756 |
| Arizona State Land Department | | | | | | | | | | | | | | |
| Pumped from river and wells for agriculture use | Diversion | 668 | 652 | 792 | 1,075 | 1,323 | 1,218 | 1,218 | 1,311 | 1,142 | 1,037 | 743 | 800 | 11,979 |
| Pumped from river and wells for domestic use | Diversion | 3 | 3 | 3 | 5 | 7 | 6 | 8 | 20 | 36 | 29 | 19 | 5 | 144 |
| | Measured Returns | 8 | 4 | 19 | 11 | 11 | 10 | 6 | 5 | 9 | 13 | 11 | 19 | 126 |
| | Unmeasured Returns | 235 | 229 | 278 | 378 | 465 | 428 | 430 | 466 | 412 | 373 | 267 | 282 | 4,243 |
| | Consumptive Use | 428 | 422 | 498 | 691 | 854 | 786 | 790 | 860 | 757 | 680 | 484 | 504 | 7,754 |
| Ott Family | | | | | | | | | | | | | | |
| Delivered via GGMC | Diversion | 16 | 17 | 16 | 57 | 59 | 59 | 55 | 58 | 35 | 36 | 34 | 32 | 474 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 6 | 6 | 5 | 20 | 21 | 21 | 19 | 20 | 12 | 13 | 12 | 11 | 166 |
| | Consumptive Use | 10 | 11 | 11 | 37 | 38 | 38 | 36 | 38 | 23 | 23 | 22 | 21 | 308 |
| Ogram Boys' Enterprises | • | | | | | | | | | | | | | |
| Delivered via GGMC | Diversion | 27 | 66 | 14 | 109 | 215 | 133 | 107 | 117 | 36 | 34 | 35 | 24 | 917 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 9 | 23 | 5 | 38 | 76 | 47 | 37 | 41 | 13 | 12 | 12 | 8 | 321 |
| | Consumptive Use | 18 | 43 | 9 | 71 | 139 | 86 | 70 | 76 | 23 | 22 | 23 | 16 | 596 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|------------------------|--------|--------|--------|----------|--------|--------|---------|---------|--------|--------|---------|--------|----------|
| Fort Yuma Indian Reservation | | | | | | | | | | | | | | |
| Pumped from river for Yuma East Wetlands | Diversion | 17 | 17 | 101 | 19 | 89 | 92 | 60 | 147 | 190 | 138 | 128 | 17 | 1,015 |
| Pumped from river for agriculture use (Cha Cha Farms) | Diversion | 4 | 2 | 4 | 4 | 5 | 5 | 8 | 10 | 7 | 12 | 2 | 3 | 66 |
| Surface delivery to Ranch 5 | Diversion | 30 | 5 | 10 | 93 | 207 | 133 | 126 | 93 | 80 | 141 | 58 | 42 | 1,018 |
| Pumped from wells for domestic use | Diversion ⁸ | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 30 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 17 | 7 | 29 | 39 | 95 | 70 | 62 | 71 | 74 | 86 | 51 | 21 | 622 |
| | Consumptive Use | 37 | 19 | 88 | 80 | 209 | 163 | 136 | 181 | 205 | 207 | 139 | 43 | 1,507 |
| Armon Curtis | consumptive esc | 3. | .,, | | | 203 | | .50 | | | | | | .,50. |
| Pumped from river (AEP-4) | Diversion ⁴ | 7 | 9 | 12 | 13 | 17 | 20 | 22 | 21 | 17 | 14 | 10 | 10 | 172 |
| r amped nom mer (nin ny | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 7 | 6 | 5 | 3 | 3 | 60 |
| | Consumptive Use | 4 | 6 | 8 | 8 | 11 | 13 | 14 | 14 | 11 | 9 | 7 | 7 | 112 |
| Yuma County Water Users' Association | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 22,367 | 21,481 | 21,824 | 43,413 | 41,471 | 29,095 | 33,006 | 22,569 | 22,986 | 35,357 | 28,645 | 22,182 | 344,396 |
| Pumped from wells | Diversion | 157 | 177 | 110 | 202 | 101 | 37 | 196 | 152 | 210 | 183 | 154 | 252 | 1,931 |
| | Measured Returns | 8,980 | 7,980 | 8,492 | 7,754 | 7,776 | 6,890 | 6,460 | 5,937 | 7,620 | 11,632 | 10,136 | 7,395 | 97,052 |
| | Unmeasured Returns | 473 | 455 | 461 | 916 | 873 | 612 | 697 | 477 | 487 | 746 | 605 | 471 | 7,273 |
| | Consumptive Use | 13,071 | 13,223 | 12,981 | 34,945 | 32,923 | 21,630 | 26,045 | 16,307 | 15,089 | 23,162 | 18,058 | 14,568 | 242,002 |
| R. Griffin | consumptive esc | 137011 | .0,220 | .2,50 | 5 ./5 .5 | 02/323 | 2.,050 | 20,0 13 | . 0,50. | .5,005 | 257.02 | . 0,000 | ,500 | 2 12,002 |
| Pumped from river (ADP-3,4) | Diversion ⁴ | 3 | 4 | 6 | 6 | 8 | 9 | 10 | 10 | 8 | 7 | 5 | 5 | 81 |
| Tampea nom mer (151 5/1) | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 2 | 2 | 28 |
| | Consumptive Use | 2 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 5 | 5 | 3 | 3 | 53 |
| Davies | consumptive osc | _ | 3 | 7 | - | 3 | 0 | U | , | 3 | 3 | 3 | 3 | 33 |
| Power | Diversion ⁴ | 2 | 2 | 3 | 4 | _ | c | c | c | - | 4 | 2 | 2 | 40 |
| Pumped from river (ADP-3,4) | | 2 | 2 | | 4 | 5 | 6 | 6 | 6 | 5 | 4 | 3 | 3 | 49 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | • | 1 | 1 | 17 |
| | Consumptive Use | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 32 |
| Cocopah Indian Tribe (PPR No. 7) | | | | | | | | | | | | | | |
| Pumped from river (ADP-3,4) | Diversion ⁴ | 10 | 12 | 17 | 18 | 22 | 27 | 30 | 28 | 22 | 19 | 13 | 13 | 231 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 3 | 4 | 6 | 6 | 8 | 9 | 10 | 10 | 8 | 7 | 5 | 5 | 81 |
| | Consumptive Use | 7 | 8 | 11 | 12 | 14 | 18 | 20 | 18 | 14 | 12 | 8 | 8 | 150 |
| Griffin Ranches (PPR No. 7) | | | | | | | | | | | | | | |
| Pumped from river (ADP-3,4) | Diversion ⁴ | 5 | 6 | 9 | 10 | 12 | 14 | 15 | 15 | 12 | 10 | 7 | 7 | 122 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 2 | 2 | 3 | 3 | 4 | 5 | 6 | 5 | 4 | 3 | 4 | 2 | 43 |
| | Consumptive Use | 3 | 4 | 6 | 7 | 8 | 9 | 9 | 10 | 8 | 7 | 3 | 5 | 79 |
| Milton Phillips (PPR No.7) | · | | | | | | | | | | | | | |
| Pumped from river (ADP-3,4) | Diversion ⁴ | 5 | 6 | 9 | 9 | 11 | 14 | 15 | 14 | 11 | 10 | 7 | 7 | 118 |
| Tampea nom mer (151 5/1) | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 2 | 41 |
| | Consumptive Use | 3 | 4 | 6 | 6 | 7 | 9 | 10 | 9 | 7 | 7 | 4 | 5 | 77 |
| Griffin Family Ltd. Partnership (PPR No. 7) | Consumptive ose | 3 | 7 | 0 | 0 | - 1 | , | 10 | | , | | - | J | - 11 |
| | Diversion ⁴ | 4 | • | 2 | • | 3 | | , | , | 3 | 2 | 2 | 3 | 24 |
| Pumped from river (ADP-3,4) | | 1 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 31 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 11 |
| | Consumptive Use | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 1 | 20 |

Table 4. State of Arizona - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Cocopah Indian Reservation | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 18 | 86 | 21 | 89 | 79 | 32 | 53 | 82 | 47 | 59 | 20 | 28 | 614 |
| Pumped from river and wells | Diversion 4,9 | 66 | 83 | 113 | 122 | 149 | 181 | 197 | 190 | 149 | 126 | 88 | 87 | 1,551 |
| | Measured Returns | 1 | 4 | 1 | 2 | | 1 | 2 | 3 | 2 | 4 | 1 | 1 | 23 |
| | Unmeasured Returns | 29 | 57 | 46 | | | | 85 | 92 | 67 | 63 | 37 | 39 | 737 |
| | Consumptive Use | 54 | 108 | 87 | 137 | 149 | 140 | 163 | 177 | 127 | 118 | 70 | 75 | 1,405 |
| Bureau of Reclamation's Yuma Area Office | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 6 | 0 | 0 | | 6 | 0 | 17 | 18 | 11 | 0 | 35 | 8 | 101 |
| | Measured Returns | 1 | 0 | 0 | | 1 | 0 | 4 | 3 | 2 | 0 | 8 | 2 | 21 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 5 | 0 | 0 | 0 | 5 | 0 | 13 | 15 | 9 | 0 | 27 | 6 | 80 |
| Arizona Public Service Company | | | | | | | | | | | | | | |
| Pumped from well | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gary Pasquinelli | | | | | | | | | | | | | | |
| Pumped from river (ADP-5) | Diversion | 32 | 32 | 26 | 53 | 76 | 0 | 32 | 0 | 0 | 16 | 36 | 24 | 327 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 11 | 11 | 9 | 19 | 27 | 0 | 11 | 0 | 0 | 6 | 13 | 8 | 115 |
| | Consumptive Use | 21 | 21 | 17 | 34 | 49 | 0 | 21 | 0 | 0 | 10 | 23 | 16 | 212 |
| Pumped from the South Gila Wells (DPOCs) | Measured Returns 10 | 0 | 0 | 0 | 1,065 | 4,725 | 5,062 | 5,295 | 3,316 | 31 | 0 | 3,093 | 3,149 | 25,736 |
| rumped from the South one trens (St Ges) | Unmeasured Returns | 0 | 0 | 0 | -1,065 | -4,725 | -5,062 | -5,295 | -3,316 | -31 | 0 | -3,093 | -3,149 | -25,736 |
| | Consumptive Use | 0 | 0 | 0 | | 0 | | 0 | 0,510 | 0 | 0 | 0 | 0 | 0 |
| Arizona Totals | | | | | | | | | | | | | | |
| THEORIG TOWNS | Diversion | 162.876 | 176.929 | 177.909 | 336,672 | 400 043 | 300,561 | 277 208 | 244,843 | 331 602 | 318,044 | 236 440 | 248 112 | 3,211,239 |
| | Measured Returns | 39,299 | 40.121 | 39.684 | 44.842 | • | • | 51,928 | 47.491 | 47.171 | 49,274 | 44.651 | 45,953 | 549,812 |
| | Unmeasured Returns | 7,626 | 9.658 | 8,271 | 19,161 | 25,490 | | 22,531 | 21,361 | 18.438 | 15,575 | 10,512 | 8,848 | 190,651 |
| | Consumptive Use | 115.951 | 127.150 | 129,954 | | 323,929 | • | 202,749 | 175,991 | | | 181,277 | | 2,470,776 |
| | Consumptive ose | 113,331 | 121,130 | 123,334 | 212,003 | 323,323 | 220,007 | 202,143 | 173,331 | 203,333 | 233,133 | 101,211 | 193,311 | 2,410,110 |

Yuma Mesa Conduit Outlet Flows (AF) = 1,429

Protective and Regulatory Pumping Unit (AF) = 19,323

¹ Diversion values are normally positive. Should negative diversion values occur, water is flowing from the canal to the river.

² The South Dike is the point of measured return flow for the Refuge and meter readings will normally indicate a positive flow of water from the Refuge into the river. If the flow reverses and water flows into the Refuge instead, a negative value will be recorded; when this occurs, this is considered a diversion.

³ As was done in 2019, Cibola Island's 2020 diversion and consumptive use was estimated based on observed irrigated acreage, crop ET, and irrigation efficiency.

⁴ Calculated by the USGS using field crop verification and ET methodologies. A <u>description of this methodology</u> is included in the Significant Documents.

⁵ MOD return flow credit is the measured flow at Station 0+00. When comparing this return value to the "Water Bypassed Pursuant to IBWC Minute No. 242" value in Table 9, differences can result due to a combination of transmission loss, DPOC and Yuma Mesa Conduit discharge into the MODE, MODE water that has been desalinated, and MODE water discharged to the river. During periods of sustained flow in the Gila River this measurement may include both Colorado River and Gila River water. At such times Reclamation will determine how best to differentiate return flows from the two sources.

⁶ Diversion does not include water delivered to users (Ott Family, Ogram Boys' Enterprises, and some ASLD lands) located outside of District boundaries.

⁷ YMIDD receives 85 percent of the return flows from the Yuma Mesa Conduit Outlet and the Protective and Regulatory Pumping Unit; Unit B receives the remaining 15 percent.

⁸ Diversion is an estimate of the amount of domestic water required by FYIR, AZ.

⁹ Diversion amounts include pumpage from wells (AEW-15, 16) and the Cocopah Bend R.V. Park well.

¹⁰ Until comprehensive modeling of the Yuma area to determine how unmeasured returns are affected by pumping of the DPOC wellfield is complete, this pumpage is added to Arizona's measured returns and subtracted from Arizona's unmeasured returns.

Table 5. State of California - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|---------------------------------------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-----|-----|--------|
| Fort Mojave Indian Reservation | | | | | | | | | | | | | | |
| Pumped from river and well for agriculture use | Diversion | 203 | 854 | 403 | 1,236 | 1,893 | 1,919 | 1,840 | 1,670 | 1,344 | 1,151 | 416 | 146 | 13,075 |
| Pumped from wells for domestic use | Diversion | 2 | 2 | 2 | 1 | 3 | 5 | 3 | 7 | 5 | 4 | 3 | 2 | 39 |
| • | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 95 | 395 | 187 | 572 | 876 | 889 | 851 | 775 | 623 | 534 | 194 | 68 | 6,059 |
| | Consumptive Use | 110 | 461 | 218 | 665 | 1,020 | 1,035 | 992 | 902 | 726 | 621 | 225 | 80 | 7,055 |
| City of Needles | | | | | | ., | ., | | | | | | | ., |
| Pumped from wells | Diversion | 118 | 121 | 115 | 134 | 196 | 200 | 217 | 200 | 152 | 191 | 168 | 149 | 1,961 |
| | Measured Returns | 28 | 23 | 25 | 23 | 27 | 25 | 27 | 41 | 45 | 44 | 43 | 39 | 390 |
| | Unmeasured Returns | 42 | 49 | 40 | 52 | 83 | 56 | 58 | 48 | 44 | 68 | 51 | 38 | 629 |
| | Consumptive Use ¹ | 48 | 49 | 50 | 59 | 86 | 119 | 132 | 111 | 63 | 79 | 74 | 72 | 942 |
| Southern California Gas Company | consumptive esc | 10 | 13 | 30 | 33 | 00 | 113 | 132 | | 03 | 13 | , , | ,_ | 3 12 |
| Pumped from wells | Diversion | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 5 | 5 | 2 | 0 | 1 | 22 |
| r umped from wells | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | - | | - | | | | | | | | |
| Paristic Carrond Florida Communica | Consumptive Use ² | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 5 | 5 | 2 | 0 | 1 | 22 |
| Pacific Gas and Electric Company | D: | 4.7 | 22 | ٠. | 0.5 | 20 | 22 | 25 | | 22 | | 20 | 22 | 222 |
| Pumped from wells | Diversion | 17 | 20 | 24 | 25 | 28 | 33 | 35 | 34 | 29 | 34 | 28 | 26 | 333 |
| | Measured Returns | 8 | 10 | 14 | 15 | 19 | 22 | 25 | 24 | 19 | 16 | 11 | 11 | 194 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use ² | 9 | 10 | 10 | 10 | 9 | 11 | 10 | 10 | 10 | 18 | 17 | 15 | 139 |
| Havasu Water Company | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 3 | 2 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 35 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 14 |
| | Consumptive Use ² | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 21 |
| Vista Del Lago | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 5 | 4 | 5 | 6 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 37 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 2 | 2 | 2 | 2 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 15 |
| | Consumptive Use ² | 3 | 2 | 3 | 4 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 22 |
| Non-Federal Subcontractors to the LCWSP | | | | | | | | | | | | | | |
| Pumped from wells | Diversion | 13 | 16 | 22 | 23 | 28 | 35 | 37 | 36 | 28 | 24 | 17 | 17 | 296 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 5 | 6 | 9 | 9 | 11 | 14 | 15 | 14 | 11 | 10 | 7 | 7 | 118 |
| | Consumptive Use ² | 8 | 10 | 13 | 14 | 17 | 21 | 22 | 22 | 17 | 14 | 10 | 10 | 178 |
| PPR No. 30 (Stephenson) | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | |
| Pumped from wells | Diversion ³ | 2 | 2 | 3 | 3 | 4 | 5 | 5 | 5 | 4 | 4 | 3 | 2 | 42 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 19 |
| | Consumptive Use | 1 | 1 | 2 | 1 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 23 |
| PPR No. 38 (Andrade) | Consumptive osc | | | _ | | _ | 3 | , | 3 | _ | _ | _ | | 23 |
| Pumped from wells | Diversion ⁴ | 2 | 2 | 3 | 3 | 1 | 5 | 6 | 5 | 4 | 1 | 2 | 2 | 42 |
| ramped from wells | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 19 |
| | Consumptive Use | 1 | 1 | 2 | 1 | 2 | 3 | 4 | 3 | 2 | 2 | 1 | 1 | 23 |
| Chemehuevi Indian Reservation | Consumptive ose | 1 | | 4 | 1 | | J | 4 | J | ۷. | ۷. | ı | 1 | 23 |
| Pumped from river for agricultural use | Diversion | 10 | 0 | 10 | 12 | 22 | 21 | 22 | 24 | 10 | 10 | 1.4 | 0 | 100 |
| • | Diversion | 10 | 9 | 10 | 13 | 22 | 21 | 23 | 24 | 19 | 18 | 14 | 0 | 183 |
| Pumped from river and wells for domestic use | Diversion | 14 | 9 | 11 | 7 | 13 | 17 | 22 | 23 | 17 | 15 | 13 | 11 | 172 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 11 | 8 | 10 | 9 | 16 | 18 | 21 | 22 | 17 | 15 | 12 | 5 | 164 |
| | Consumptive Use | 13 | 10 | 11 | 11 | 19 | 20 | 24 | 25 | 19 | 18 | 15 | 6 | 191 |

Table 5. State of California - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|------------------------------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| The Metropolitan Water District of Southern California | | | | | | | | | | | | | | |
| Pumped from Lake Havasu | Diversion | 16,841 | 3,351 | 42,623 | 55,422 | 61,481 | 93,553 | 95,238 | 78,050 | 91,361 | 93,756 | 91,498 | 95,046 | 818,220 |
| | Measured Returns | 236 | 212 | 224 | 197 | 218 | 219 | 239 | 193 | 202 | 203 | 210 | 249 | 2,602 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 16,605 | 3,139 | 42,399 | 55,225 | 61,263 | 93,334 | 94,999 | 77,857 | 91,159 | 93,553 | 91,288 | 94,797 | 815,618 |
| Bureau of Reclamation - Parker Dam and Government Camp | | | | | | | | | | | | | | |
| Diversion at Parker Dam | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use ² | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado River Indian Reservation | · | | | | | | | | | | | | | |
| Pumped from river and wells (agriculture) | Diversion | 38 | 47 | 64 | 69 | 84 | 102 | 112 | 107 | 84 | 71 | 50 | 49 | 877 |
| Pumped from wells for Big River Development | Diversion | 26 | 28 | 29 | 33 | 41 | 43 | 61 | 62 | 48 | 39 | 34 | 28 | 472 |
| , , , | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 27 | 31 | 39 | 43 | 52 | 60 | 72 | 70 | 55 | 46 | 35 | 32 | 562 |
| | Consumptive Use | 37 | 44 | 54 | 59 | 73 | 85 | 101 | 99 | 77 | 64 | 49 | 45 | 787 |
| Palo Verde Irrigation District | | | | | | | | | | | | | | |
| Diversion at Palo Verde Dam | Diversion | 35,240 | 44,410 | 37,460 | 69,840 | 91,680 | 92,910 | 102,300 | 96,870 | 81,800 | 61,260 | 39,160 | 39,130 | 792,060 |
| Pumped from river | Diversion 5,6 | 81 | 102 | 139 | 150 | 183 | 222 | 243 | 233 | 183 | 154 | 109 | 107 | 1,906 |
| ' | Measured Returns | 26,815 | 27,098 | 28,533 | 28,760 | 33,629 | 33,423 | 35,360 | 36,741 | 36,162 | 36,116 | 32,101 | 31,371 | 386,109 |
| | Unmeasured Returns 7 | 2,846 | 3,624 | 4,448 | 6,065 | 5,866 | 6,632 | 7,307 | 7,357 | 6,684 | 5,427 | 2,735 | 2,781 | 61,772 |
| | Consumptive Use | 5,660 | 13,790 | 4,618 | 35,165 | 52,368 | 53,077 | 59,876 | 53,005 | 39,137 | 19,871 | 4,433 | 5,085 | 346,085 |
| Lake Enterprises | | 2,222 | , | ., | | , | / | / | 00,000 | | , | ., | 0,000 | , |
| Pumped from river | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bureau of Land Management | | | | | | | | | | | | | | |
| Pumped from wells (Permittees, LHFO and YFO) | Diversion | 17 | 13 | 18 | 14 | 18 | 4 | 4 | 49 | 4 | 31 | 14 | 2 | 188 |
| . , | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 4 | 3 | 5 | 4 | 5 | 1 | 1 | 13 | 2 | 8 | 4 | 1 | 51 |
| | Consumptive Use ² | 13 | 10 | 13 | 10 | 13 | 3 | 3 | 36 | 2 | 23 | 10 | 1 | 137 |
| Yuma Project Reservation Division | | | | | | | | | | | | | | |
| Indian Unit | | | | | | | | | | | | | | |
| Diversion at Imperial Dam | Diversion | 2,782 | 2,380 | 2,416 | 6,401 | 5,872 | 3,923 | 2,634 | 3,978 | 2,949 | 4,257 | 5,633 | 3,155 | 46,380 |
| Pumped from wells for domestic use | Diversion | 48 | 49 | 60 | 48 | 56 | 88 | 99 | 96 | 77 | 63 | 54 | 48 | 786 |
| | Measured Returns | 201 | 88 | 116 | 108 | 46 | 108 | 70 | 128 | 128 | 258 | 303 | 101 | 1,655 |
| | Unmeasured Returns | 473 | 406 | 413 | 1,077 | 990 | 670 | 456 | 680 | 505 | 721 | 950 | 535 | 7,876 |
| Bard Unit | | 5 | | | ., | | 2.0 | | | | | | | .,5.0 |
| Diversion at Imperial Dam | Diversion | 2,282 | 1,532 | 2,495 | 3,393 | 3,599 | 3,277 | 2,774 | 3,325 | 3,291 | 3,886 | 3,559 | 2,430 | 35,843 |
| | Measured Returns | 91 | 32 | 63 | 29 | 14 | 49 | 41 | 60 | 80 | 122 | 98 | 47 | 726 |
| | Unmeasured Returns | 381 | 256 | 417 | 567 | 601 | 547 | 463 | 555 | 550 | 649 | 594 | 406 | 5,986 |
| Unassigned Yuma Project Reservation Division Measured Returns ⁸ | S.incubarca Neturns | 1,545 | 1,660 | 2,022 | 2,146 | 2,545 | 2,522 | 1,997 | 1,906 | 2,405 | 2,496 | 2,431 | 2,505 | 26,180 |
| Total Yuma Project Reservation Division Consumptive Use 9 | | 2.421 | 1,519 | 1,940 | 5,915 | 5,331 | 3,392 | 2.480 | 4.070 | 2,403 | ۷,+30 | ا د+,2 | 2,505 | 40,586 |

Table 5. State of California - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|-------------------------------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|--------------|
| Fort Yuma Indian Reservation | | | | | | | | | | | | | | |
| Ranch 1 | | | | | | | | | | | | | | |
| Pumped from well and river (CEW-2; CDP-3) | Diversion ⁶ | 24 | 30 | 41 | 44 | 54 | 65 | 71 | 69 | 54 | 45 | 32 | 32 | 561 |
| Ranch 2 Parcel 3 | | | | | | | | | | | | | | |
| Pumped from well and river (CEW-2; CDP-4) | Diversion ⁶ | 15 | 18 | 25 | 27 | 33 | 40 | 44 | 42 | 33 | 28 | 19 | 19 | 343 |
| Ranch 3 | | | | | | | | | | | | | | |
| Pumped from well and river (CEW-2; CDP-5) | Diversion ⁶ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ranch 4 | | _ | | _ | | | | | | | | • | | _ |
| Pumped from well and river (CEW-1,15; CDP-1,2) | Diversion ⁶ | 5 | 7 | 9 | 10 | 12 | 15 | 16 | 16 | 13 | 11 | 7 | 7 | 128 |
| Ranch 5 | | _ | | _ | | | | | | | | · | • | |
| Diverted from the AAC | Diversion | 68 | 10 | 24 | 165 | 369 | 236 | 224 | 166 | 142 | 251 | 103 | 74 | 1,832 |
| Ranch 7 | | | | | | | | | | | | | | ., |
| Pumped from well and river (CEW-1,15; CDP-1,2) | Diversion ⁶ | 6 | 8 | 10 | 11 | 13 | 16 | 18 | 17 | 13 | 11 | 8 | 8 | 139 |
| Ranch 15 | Diversion. | ŭ | ŭ | | | | | | • • • | | | · · | ŭ | |
| Pumped from well (CEW-14) | Diversion ⁶ | 24 | 31 | 42 | 45 | 55 | 67 | 73 | 70 | 55 | 46 | 33 | 32 | 573 |
| Ranch 17 | Diversion. | | 3. | | 13 | 33 | 0, | 7.5 | 70 | 33 | 10 | 33 | 32 | 373 |
| Pumped from river (CDP-6,7) | Diversion ⁶ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| Sum of Diversions for the FYIR Ranches in California | Diversion | 142 | 104 | 151 | 302 | 536 | 439 | 446 | 380 | 310 | 392 | 202 | 172 | 3,576 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 63 | 47 | 67 | 135 | 239 | 197 | 198 | 170 | 140 | 175 | 91 | 76 | 1,598 |
| | Consumptive Use | 79 | 57 | 84 | 167 | 297 | 242 | 248 | 210 | 170 | 217 | 111 | 96 | 1,978 |
| Yuma Island California | 6 | | | | | | | | | | | | | |
| Arizona State Land Department Trust Lands | Diversion ⁶ | 135 | 174 | 238 | 262 | 321 | 381 | 412 | 393 | 314 | 259 | 187 | 185 | 3,261 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 60 | 78 | 108 | 116 | 142 | 171 | 183 | 174 | 140 | 117 | 85 | 83 | 1,457 |
| a | Consumptive Use | 75 | 96 | 130 | 146 | 179 | 210 | 229 | 219 | 174 | 142 | 102 | 102 | 1,804 |
| City of Winterhaven | c | - | 7 | 0 | | 7 | 7 | 7 | • | 7 | • | - | 0 | 07 |
| Pumped from well | Diversion | 7 | 7 | 8 | 6 | 7 | 7 | 7 | 8 | 7 | 8 | 7 | 8 | 87 |
| | Measured Returns | 0 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 5 | 2 | 3 5 | 4 | 2 | 5 | 5 | 3 | 5 | 3 5 | 2 | 3 5 | 28 |
| | Consumptive Use | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 59 |
| Imperial Irrigation District | c | 110.252 | 122.025 | 1 17 100 | 226 204 | 227.040 | 200 201 | 277.027 | 244204 | 246.454 | 220 402 | 150.613 | 125.606 | 2 407 276 |
| Diversion at Imperial Dam | Diversion | 110,253 | 133,835 | 147,400 | 236,304 | 327,819 | 288,291 | 277,937 | 244,294 | 216,451 | 220,493 | 158,613 | 125,686 | 2,487,376 |
| | Measured Returns | 12,421 | 8,529 0 | 10,717 | 6,127 0 | 3,793 0 | 12,271 0 | 11,188 0 | 12,520 0 | 14,998 0 | 19,661 0 | 12,583 | 6,878 0 | 131,686 0 |
| | Unmeasured Returns | 0 | • | 0 | • | • | • | • | - | - | • | 0 | - | ŭ |
| Delivery from Warren H. Brock Reservoir | Consumptive Use 10 | 16,477 | 12,450 | 11,441 | 16,043 | 10,130 | 11,951 | 6,155 | 13,807 | 8,351 | 7,002 | 12,078 | 12,048 | 137,933 |
| Total IID Consumptive Use | Total Consumptive Use | 114,309 | 137,756 | 148,124 | 246,220 | 334,156 | 287,971 | 272,904 | 245,581 | 209,804 | 207,834 | 158,108 | 130,856 | 2,493,623 |
| Coachella Valley Water District | Dii | 20.262 | 24.400 | 21.640 | 26.052 | 26.422 | 20.400 | 40.006 | 20.000 | 26.245 | 24.467 | 27.425 | 24.500 | 271 500 |
| Diversion at Imperial Dam | Diversion | 20,363 | 24,409 | 21,640 | 26,953 | 36,433 | 38,499 | 40,826 | 39,668 | 36,345 | 34,467 | 27,425 | 24,560 | 371,588 |
| | Measured Returns Unmeasured Returns | 2,294 0 | 1,556 0 | 1,573 0 | 699 0 | 422 0 | 1,639 0 | 1,643 0 | 2,033 | 2,518 0 | 3,073 0 | 2,176 0 | 1,344 0 | 20,970 |
| | | ~ | _ | ~ | · | _ | _ | _ | | _ | • | - | | ŭ |
| | Consumptive Use | 18,069 | 22,853 | 20,067 | 26,254 | 36,011 | 36,860 | 39,183 | 37,635 | 33,827 | 31,394 | 25,249 | 23,216 | 350,618 |
| California Totals | . | 400.00 | 244 425 | | 400 57 | F20 225 | F00 00- | FOF 505 | 460 | 42.4.52 | 420 | 227.24 | 200 255 | 4 === -== |
| | Diversion | | 211,482 | | | | | 525,293 | | | | | | 4,578,857 |
| | Measured Returns | 43,639 | 39,208 | 43,287 | | 40,713 | 50,278 | 50,590 | 53,646 | 56,557 | 61,989 | 49,956 | 42,545 | 570,512 |
| | Unmeasured Returns | 4,014 | 4,910 | 5,751 | 8,658 | 8,890 | 9,262 | 9,634 | 9,887 | 8,779 | 7,779 | 4,764 | 4,039 | 86,367 |
| | Consumptive Use | 157,468 | 179,814 | 217,744 | 369,932 | 490,854 | 4/6,397 | 4/1,224 | 419,801 | 3//,851 | 357,823 | 284,572 | 256,431 | 4,059,911 |

Footnotes: See next page.

Table 5 Footnotes:

- ¹ In years when the City of Needles' consumptive use exceeds its 1,223 AF PPR entitlement, as adjusted for water conserved under the PSCP, such use is offset by pumping from the LCWSP. For additional details, see Table 16.
- ² Tabulated consumptive use is offset by pumping from the LCWSP. For additional details, see Table 16.
- ³ Includes diversion reported by Campbell, Terry E. and Carol J. (Contract No. 19-XX-30-W0650) and estimated diversions for all other landowners within the PPR.
- ⁴ Includes diversions reported by Carney, Jerome D. & Martha A. (Contract No. 7-07-30-W0176); Mr. Jerry O. Williams, Mrs. Deloris P. Williams, and Mr. Jerry D. Williams (Contract No. 6-07-30-W0136); Wetmore, Kenneth C. & Joan C. (Contract No. 6-07-30-W0143); Wetmore, Mark M. & Judith K. (Contract No. 6-07-30-W0145); and Williams, Jerry O. & Deloris P. (Contract No. 7-07-30-W0153); and estimated diversions for all other landowners within the PPR.
- ⁵ Water pumped from the river for delivery to non-canal lands served by PVID upstream of Palo Verde Diversion Dam.
- ⁶ Calculated by the USGS using field crop verification and ET methodologies. A <u>description of this methodology</u> is included in the Significant Documents. Points of diversion for the Yuma Island in CA are AEP-02, AEW-04, AEW-05, ADW-03, CEP-01, CEP-02, CDW-02, CDW-05, CDW-07, CDW-08, CEW-07, CEW-09, CEW-12, CEW-13. See the <u>maps showing the locations of the wells and river pumps reported by the USGS</u> in the Significant Documents.
- ⁷ The methodology used to calculate unmeasured returns from PVID was updated in 2020 to reflect changes in cropping and irrigation practices on the Palo Verde Ecological Reserve (PVER), Dennis Underwood Conservation Area (DUCA), and PVER South units of the Lower Colorado River Multi-Species Conservation Program. A <u>Technical Memorandum</u> providing a summary of the methodology for computing the total consumptive use at PVER, DUCA, and PVER South and the corresponding unmeasured returns for 2020 has been included in the Significant Documents.
- ⁸ Unassigned measured returns include drainage from the Indian Unit and the Bard Unit in the Reservation Division, but excludes seepage from the AAC.
- ⁹ Calculated as the sum of diversions (83,009 AF) minus the sum of measured returns (2,381 AF), unmeasured returns (13,862 AF) and unassigned measured returns (26,180 AF).
- 10 Colorado River water captured in the Warren H. Brock Reservoir and delivered to IID as consumptive use. Flow measurement is made at the Brock Reservoir outlet channel, Station 2100+36.

Table 6. State of Nevada - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|---------------------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|
| Bureau of Reclamation | | | | | | | | | | | | | | |
| Hoover Dam Diversion | Diversion | 4 | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 3 | 2 | 4 | 3 | 35 |
| | Measured Returns | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 17 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 18 |
| Debest D. Califfah Water During | Consumptive ose | 2 | ' | ' | ' | ' | ' | 2 | 2 | 2 | ' | 2 | 2 | 10 |
| Robert B. Griffith Water Project | 5 | 27.050 | 27.007 | 20.244 | 22.444 | 45.005 | 45 707 | F2 20F | 50.445 | 44407 | 20.146 | 20.002 | 25.040 | 440.207 |
| Pumped from Lake Mead | Diversion | 27,959 | 27,007 | 29,244 | 32,441 | 45,885 | 45,727 | 52,285 | 52,415 | 44,187 | 38,146 | 28,083 | 25,018 | 448,397 |
| Lake Mead National Recreation Area National Park Service | | | | | | | | | | | | | | |
| Pumped from Lake Mead | Diversion | 19 | 18 | 25 | 21 | 31 | 36 | 43 | 43 | 40 | 37 | 28 | 24 | 365 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 19 | 18 | 25 | 21 | 31 | 36 | 43 | 43 | 40 | 37 | 28 | 24 | 365 |
| Basic Water Company | | | | | | | | | | | | | | |
| Pumped from Lake Mead | Diversion | 384 | 316 | 306 | 342 | 351 | 322 | 365 | 441 | 372 | 398 | 373 | 347 | 4,317 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 384 | 316 | 306 | 342 | 351 | 322 | 365 | 441 | 372 | 398 | 373 | 347 | 4,317 |
| City of Henderson | | | | | | | | | | | | | | ., |
| Pumped from Lake Mead | Diversion | 1,510 | 1,361 | 1,435 | 1,346 | 1,609 | 1,674 | 1,712 | 1,585 | 1,303 | 1,271 | 873 | 446 | 16,125 |
| Tumped from Eake Wedd | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,123 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | - | | | | - | | | | | - |
| | Consumptive Use | 1,510 | 1,361 | 1,435 | 1,346 | 1,609 | 1,674 | 1,712 | 1,585 | 1,303 | 1,271 | 873 | 446 | 16,125 |
| Nevada Department of Wildlife | | | | | | | | | | | | | | |
| Pumped from Lake Mead | Diversion | 69 | 65 | 71 | 81 | 93 | 160 | 118 | 124 | 112 | 108 | 75 | 88 | 1,164 |
| | Measured Returns | 68 | 64 | 70 | 80 | 92 | 159 | 117 | 123 | 111 | 107 | 74 | 87 | 1,152 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 12 |
| Pacific Coast Building Products | | | | | | | | | | | | | | |
| Pumped from Lake Mead | Diversion | 74 | 70 | 77 | 77 | 86 | 80 | 84 | 88 | 86 | 76 | 59 | 68 | 925 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 74 | 70 | 77 | 77 | 86 | 80 | 84 | 88 | 86 | 76 | 59 | 68 | 925 |
| Las Vegas Wash Return Flow | Returns ¹ | 20,634 | 20,164 | 18,976 | 16,284 | 16,487 | 17,183 | 18,119 | 18,375 | 17,871 | 18,577 | 18,238 | 18,291 | 219,199 |
| Lake Mead National Recreation Area National Park Service | | | | | | | | | | | | | | |
| Pumped from Lake Mohave - Cottonwood Cove | Diversion | 12 | 10 | 12 | 15 | 17 | 13 | 15 | 16 | 19 | 14 | 14 | 17 | 174 |
| Tamped from Lake Monave - Cottonwood Cove | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | 17 | | | | 19 | 14 | | 17 | 174 |
| Die Deut Wester Dietriet | Consumptive Use | 12 | 10 | 12 | 15 | 17 | 13 | 15 | 16 | 19 | 14 | 14 | 17 | 1/4 |
| Big Bend Water District | D: . | 2.15 | 226 | 226 | 226 | 202 | 264 | 202 | 200 | 25. | 246 | 227 | 222 | 2.500 |
| Pumped from river | Diversion | 248 | 238 | 226 | 226 | 293 | 361 | 392 | 388 | 354 | 316 | 237 | 229 | 3,508 |
| | Measured Returns | 159 | 148 | 125 | 109 | 161 | 162 | 161 | 165 | 152 | 147 | 122 | 115 | 1,726 |
| | Unmeasured Returns Consumptive Use | 0 89 | 0 90 | 0 101 | 0 117 | 0 132 | 0 199 | 0 231 | 0 223 | 0 202 | 0 169 | 0 115 | 0 114 | 0 1,782 |
| SNWA - Big Bend Conservation Area | Consumptive ose | 09 | 30 | 101 | 117 | 132 | 133 | 231 | 223 | 202 | 109 | 113 | 114 | 1,702 |
| Pumped from wells | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | - | | • | | | - | | - | | - | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 6. State of Nevada - Records of Diversion, Returns, and Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---------------------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Fort Mojave Indian Reservation | | | | | | | | | | | | | | |
| Pumped from river for agriculture use | Diversion | 0 | 118 | 0 | 247 | 614 | 472 | 294 | 396 | 466 | 96 | 51 | 8 | 2,762 |
| Pumped from wells for domestic use | Diversion | 26 | 27 | 28 | 67 | 113 | 129 | 145 | 144 | 220 | 132 | 95 | 71 | 1,197 |
| | Measured Returns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Unmeasured Returns | 9 | 48 | 9 | 104 | 240 | 199 | 145 | 178 | 226 | 75 | 48 | 26 | 1,307 |
| | Consumptive Use | 17 | 97 | 19 | 210 | 487 | 402 | 294 | 362 | 460 | 153 | 98 | 53 | 2,652 |
| Nevada Totals | | | | | | | | | | | | | | |
| | Diversion | 30,305 | 29,233 | 31,427 | 34,865 | 49,094 | 48,976 | 55,456 | 55,644 | 47,162 | 40,596 | 29,892 | 26,319 | 478,969 |
| | Measured Returns | 20,863 | 20,378 | 19,173 | 16,474 | 16,741 | 17,505 | 18,398 | 18,665 | 18,135 | 18,832 | 18,436 | 18,494 | 222,094 |
| | Unmeasured Returns | 9 | 48 | 9 | 104 | 240 | 199 | 145 | 178 | 226 | 75 | 48 | 26 | 1,307 |
| | Consumptive Use | 9,433 | 8,807 | 12,245 | 18,287 | 32,113 | 31,272 | 36,913 | 36,801 | 28,801 | 21,689 | 11,408 | 7,799 | 255,568 |

| Nevada Colorado River Storage in Local Aquifer ² | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Las Vegas Valley Water District | BOY Balance | | | | | | | | | | | | | 346,472 |
| | Injected | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Withdrawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 230 | 154 | 66 | 672 |
| | EOY Balance | | | | | | | | | | | | | 345,800 |
| City of North Las Vegas | BOY Balance | | | | | | | | | | | | | 11,843 |
| | Injected | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Withdrawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | EOY Balance | | | | | | | | | | | | | 11,843 |
| Total | BOY Cumulative Injected Stora | ge | | | | | | | | | | | | 358,315 |
| | Total Current Year Injection | | | | | | | | | | | | | 0 |
| | Total Current Year Withdrawal | s | | | | | | | | | | | | 672 |
| | EOY Cumulative Injected Stora | ge | | | | | | | | | | | | 357,643 |

¹ Estimated return based on historical use method adopted by the Task Force on Unmeasured Return Flows on August 28, 1984, and revised as noted in the Reclamation letter to SNWA and CRCN dated December 5, 2007.

² Colorado River water injected into groundwater storage is accounted for as a consumptive use in the year in which it is diverted from the Colorado River. Water withdrawn from storage is not accounted for as a consumptive use in the year in which it is withdrawn, but because it originated as Colorado River water it is credited as a return flow.

ARTICLE V(C): RECORDS FOR THE DISPOSITION OF WATER ORDERED BUT NOT DIVERTED

In accordance with Article V(C) of the Consolidated Decree, Tables 7 and 8 document records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the 1944 Mexican Water Treaty (Treaty) or diverted by others in satisfaction of decreed rights.

Tabulations provided herewith document quantities of water passing to Mexico in excess of Treaty requirements and quantities captured in storage.

Water ordered but not diverted is the difference between the approved daily order and the mean daily delivery on the day the diversion was made. Daily orders are provided to the Bureau of Reclamation in advance of the delivery date by the amount of time required for water to travel between the storage location and the user's point of diversion from the mainstream.

To the extent possible, water ordered but not diverted was delivered to other diverters in satisfaction of their water rights. Any remaining water ordered but not diverted was distributed between delivery to storage, delivery to Mexico in satisfaction of Treaty requirements, and to Mexico in excess of Treaty requirements.

The water users listed in this tabulation are major water users from whom Reclamation receives a daily water order and, with the exception of the Central Arizona Project and The Metropolitan Water District of Southern California, are those that divert their water downstream of Parker Dam. Currently, no daily orders are received from water users in Nevada, therefore Reclamation has not created a tabulation for Nevada water users. In addition, the storage capacity of Lake Mead is large enough relative to Nevada's daily diversions from the reservoir that any water ordered but not diverted would be retained for future use and would not pass to Mexico in excess of Treaty requirements.

The "Passing to Mexico in Excess of Treaty" values displayed in this section of the report reflect the sum of the daily amounts of water passing to Mexico in excess of the daily Treaty amount, according to the International Boundary and Water Commission's (IBWC) schedule, resulting from water that had been ordered but not diverted. The "To Mexico in Excess of Treaty" values displayed in the Article V(D) section reflect all water under/over delivered to Mexico according to IBWC's schedule. The information provided in Article V(C) is unrelated to information provided in Article V(D) and comparisons between the tabulations should not be made.

Table 7. State of Arizona - Disposition of Water Ordered but not Diverted, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| Central Arizona Project - Diversion at Lake Havasu | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 83 | 923 | 1,120 | 3,985 | 2,063 | 430 | 1,021 | 731 | 3,081 | 2,938 | 3,579 | 232 | 20,186 |
| Delivered to Mexico in Satisfaction of Treaty | | | | | | | | | | | | | |
| Diverted by Others | | | | | | | | | | | | | |
| Delivered to Storage ² | 83 | 923 | 1,120 | 3,985 | 2,063 | 430 | 1,021 | 731 | 3,081 | 2,938 | 3,579 | 232 | 20,186 |
| Passing to Mexico in Excess of Treaty | | | | | | | | | | | | | |
| Colorado River Indian Reservation - Diversion at Headgate Rock Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 3,941 | 3,898 | 4,078 | 4,622 | 4,429 | 5,181 | 4,691 | 4,893 | 4,510 | 2,614 | 3,187 | 4,108 | 50,152 |
| Delivered to Mexico in Satisfaction of Treaty | 1,010 | 1,446 | 1,676 | 1,020 | 997 | 1,022 | 1,033 | 1,497 | 1,401 | 901 | 1,061 | 1,445 | 14,509 |
| Diverted by Others | 2,044 | 1,828 | 1,946 | 2,851 | 2,787 | 3,494 | 3,236 | 2,505 | 2,355 | 1,467 | 1,645 | 1,972 | 28,130 |
| Delivered to Storage ³ | 814 | 346 | 145 | 351 | 391 | 733 | 414 | 324 | 573 | 331 | 530 | 608 | 5,561 |
| Passing to Mexico in Excess of Treaty | 72 | 277 | 311 | 399 | 245 | 93 | 64 | 225 | 129 | 27 | 51 | 52 | 1,945 |
| North Gila Valley Irrigation District - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 153 | 143 | 512 | 280 | 131 | 530 | 591 | 293 | 418 | 142 | 253 | 231 | 3,677 |
| Delivered to Mexico in Satisfaction of Treaty | 51 | 60 | 88 | 49 | 29 | 183 | 117 | 147 | 154 | 97 | 80 | 74 | 1,129 |
| Diverted by Others | 53 | 17 | 148 | 134 | 86 | 270 | 425 | 107 | 216 | 31 | 117 | 89 | 1,693 |
| Delivered to Storage ³ | 45 | 17 | 44 | 38 | 16 | 61 | 42 | 34 | 39 | 11 | 55 | 67 | 468 |
| Passing to Mexico in Excess of Treaty | 3 | 50 | 234 | 59 | 0 | 16 | 7 | 6 | 9 | 3 | 2 | 2 | 391 |
| Gila Monster Farms - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 142 | 402 | 35 | 326 | 270 | 96 | 194 | 260 | 249 | 181 | 90 | 102 | 2,347 |
| Delivered to Mexico in Satisfaction of Treaty | 38 | 131 | 1 | 75 | 63 | 21 | 36 | 88 | 64 | 51 | 17 | 17 | 602 |
| Diverted by Others | 64 | 213 | 27 | 189 | 162 | 58 | 139 | 111 | 136 | 121 | 61 | 60 | 1,341 |
| Delivered to Storage ³ | 34 | 27 | 0 | 19 | 35 | 16 | 15 | 45 | 45 | 8 | 12 | 24 | 279 |
| Passing to Mexico in Excess of Treaty | 5 | 32 | 7 | 43 | 9 | 1 | 4 | 16 | 6 | 1 | 1 | 1 | 126 |
| Wellton-Mohawk I.D.D Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 87 | 1,742 | 4,510 | 574 | 862 | 104 | 138 | 510 | 154 | 397 | 1,733 | 431 | 11,242 |
| Delivered to Mexico in Satisfaction of Treaty | 38 | 663 | 1,478 | 174 | 255 | 0 | 3 | 168 | 52 | 171 | 296 | 149 | 3,447 |
| Diverted by Others | 17 | 442 | 442 | 337 | 386 | 92 | 133 | 223 | 17 | 191 | 860 | 172 | 3,312 |
| Delivered to Storage ³ | 32 | 109 | 386 | 41 | 50 | 11 | 0 | 22 | 86 | 31 | 567 | 109 | 1,444 |
| Passing to Mexico in Excess of Treaty | 0 | 529 | 2,203 | 22 | 171 | 0 | 1 | 98 | 0 | 5 | 11 | 1 | 3,041 |
| Yuma Irrigation District - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 19 | 308 | 189 | 38 | 52 | 72 | 162 | 9 | 262 | 105 | 78 | 61 | 1,355 |
| Delivered to Mexico in Satisfaction of Treaty | 3 | 80 | 30 | 24 | 42 | 42 | 41 | 0 | 177 | 55 | 26 | 38 | 558 |
| Diverted by Others | 12 | 30 | 4 | 6 | 8 | 22 | 95 | 9 | 51 | 48 | 44 | 21 | 350 |
| Delivered to Storage ³ | 4 | 61 | 4 | 3 | 0 | 8 | 23 | 0 | 30 | 2 | 7 | 0 | 142 |
| Passing to Mexico in Excess of Treaty | 0 | 137 | 151 | 5 | 1 | 0 | 4 | 0 | 4 | 0 | 1 | 2 | 305 |
| Yuma Mesa I.D.D Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 2,062 | 2,028 | 1,687 | 707 | 790 | 1,254 | 414 | 1,125 | 851 | 3,005 | 2,587 | 933 | 17,443 |
| Delivered to Mexico in Satisfaction of Treaty | 398 | 348 | 388 | 395 | 342 | 626 | 103 | 303 | 434 | 1,066 | 1,240 | 151 | 5,794 |
| Diverted by Others | 1,130 | 914 | 471 | 231 | 325 | 526 | 264 | 673 | 210 | 1,561 | 895 | 272 | 7,472 |
| Delivered to Storage ³ | 517 | 344 | 132 | 18 | 49 | 89 | 45 | 127 | 195 | 334 | 395 | 503 | 2,747 |
| Passing to Mexico in Excess of Treaty | 18 | 423 | 696 | 62 | 74 | 13 | 2 | 23 | 13 | 44 | 57 | 303 7 | 1,432 |
| 1 dooring to Micrico III Excess of Treaty | 10 | -143 | | | | 13 | | | 1.5 | | | | 1,752 |

| Delivered to Storage ^{2,3} Passing to Mexico in Excess of Treaty | 2,428 270 | 2,434 2,726 | 2,188 4,667 | 4,598 1,006 | 2,746 531 | 1,516 131 | 1,796 193 | 1,545 448 | 4,478 227 | 3,786 93 | 5,286 159 | 2,198 93 | 34,999 10,544 |
|---|--------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|-------------|------------------|
| Diverted by Others | 5,119 | 4,580 | 4,699 | 4,448 | 4,509 | 5,304 | 5,999 | 5,792 | 5,489 | 4,374 | 4,369 | 3,285 | 57,967 |
| Delivered to Mexico in Satisfaction of Treaty | 2,092 | 4,319 | 5,653 | 2,167 | 2,214 | 2,573 | 2,058 | 2,930 | 3,427 | 3,010 | 3,330 | 2,743 | 36,516 |
| Ordered but not Diverted ¹ | 9,910 | 14,055 | 17,205 | 12,220 | 10,009 | 9,364 | 9,989 | 11,057 | 13,670 | 11,151 | 13,041 | 8,351 | 140,022 |
| Arizona Totals | | | | | | | | | | | | | |
| Passing to Mexico in Excess of Treaty | 171 | 1,181 | 1,042 | 392 | 30 | 7 | 106 | 73 | 58 | 12 | 25 | 25 | 3,122 |
| Delivered to Storage ³ | 840 | 554 | 337 | 127 | 131 | 111 | 174 | 235 | 403 | 125 | 127 | 604 | 3,769 |
| Diverted by Others | 1,604 | 917 | 1,518 | 615 | 693 | 749 | 1,461 | 2,014 | 2,408 | 920 | 510 | 583 | 13,992 |
| Delivered to Mexico in Satisfaction of Treaty | 489 | 1,502 | 1,829 | 374 | 333 | 552 | 649 | 654 | 979 | 577 | 378 | 745 | 9,061 |
| Ordered but not Diverted ¹ | 3,104 | 4,154 | 4,726 | 1,508 | 1,187 | 1,419 | 2,390 | 2,977 | 3,848 | 1,634 | 1,040 | 1,957 | 29,944 |
| Yuma County Water Users' Association - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Passing to Mexico in Excess of Treaty | 1 | 97 | 23 | 24 | 1 | 1 | 5 | 7 | 8 | 1 | 11 | 3 | 182 |
| Delivered to Storage ³ | 59 | 53 | 19 | 15 | 9 | 57 | 62 | 28 | 28 | 8 | 14 | 52 | 403 |
| Diverted by Others | 195 | 219 | 143 | 85 | 62 | 93 | 246 | 150 | 96 | 35 | 237 | 116 | 1,677 |
| Delivered to Mexico in Satisfaction of Treaty | 65 | 89 | 163 | 56 | 153 | 127 | 76 | 73 | 166 | 92 | 232 | 124 | 1,416 |
| Ordered but not Diverted ¹ | 319 | 457 | 348 | 180 | 225 | 278 | 388 | 259 | 297 | 135 | 494 | 296 | 3,676 |
| Unit B I.D.D Diversion at Imperial Dam | | | | | | | | | | | | | |

¹ Due to converting daily cfs values to monthly AF totals and rounding to the nearest whole number, the sum of the disposition of water volumes may not equal the Ordered but not Diverted volume.

 $^{^{2}}$ Water not diverted by the Central Arizona Project remains in Lake Havasu.

³ Delivered to temporary storage in Senator Wash and Brock Reservoirs.

Table 8. State of California - Disposition of Water Ordered but not Diverted, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| The Metropolitan Water District of Southern California - | | | | | | | | | | | | | |
| Diversion at Lake Havasu | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 961 | 337 | 3,965 | 202 | 1,975 | 4,353 | 3,314 | 9,022 | 3,816 | 2,993 | 3,033 | 4,652 | 38,623 |
| Delivered to Mexico in Satisfaction of Treaty | | | | | | | | | | | | | |
| Diverted by Others | | | | | | | | | | | | | |
| Delivered to Storage ² | 961 | 337 | 3,965 | 202 | 1,975 | 4,353 | 3,314 | 9,022 | 3,816 | 2,993 | 3,033 | 4,652 | 38,623 |
| Passing to Mexico in Excess of Treaty | | | | | | | | | | | | | |
| Palo Verde Irrigation District - Diversion at Palo Verde Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 1,035 | 2,823 | 1,611 | 1,575 | 2,757 | 932 | 397 | 1,825 | 1,904 | 1,676 | 629 | 464 | 17,628 |
| Delivered to Mexico in Satisfaction of Treaty | 205 | 1,450 | 330 | 648 | 595 | 304 | 70 | 425 | 603 | 652 | 280 | 211 | 5,773 |
| Diverted by Others | 563 | 930 | 540 | 741 | 1,724 | 499 | 325 | 832 | 1,018 | 762 | 230 | 172 | 8,336 |
| Delivered to Storage ³ | 242 | 192 | 138 | 42 | 254 | 125 | 1 | 421 | 248 | 209 | 103 | 80 | 2,056 |
| Passing to Mexico in Excess of Treaty | 25 | 251 | 602 | 144 | 184 | 4 | 0 | 146 | 36 | 53 | 15 | 1 | 1,461 |
| Yuma Project Reservation Division - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 3,159 | 3,909 | 2,619 | 1,391 | 3,654 | 1,473 | 1,865 | 408 | 1,616 | 1,864 | 1,056 | 3,747 | 26,761 |
| Delivered to Mexico in Satisfaction of Treaty | 756 | 1,374 | 974 | 497 | 938 | 146 | 220 | 15 | 596 | 716 | 502 | 1,169 | 7,903 |
| Diverted by Others | 1,784 | 1,572 | 577 | 468 | 2,331 | 1,061 | 1,548 | 299 | 722 | 899 | 424 | 1,554 | 13,239 |
| Delivered to Storage ³ | 537 | 384 | 152 | 159 | 306 | 253 | 87 | 94 | 255 | 228 | 124 | 986 | 3,565 |
| Passing to Mexico in Excess of Treaty | 82 | 578 | 916 | 268 | 79 | 13 | 11 | 0 | 44 | 22 | 6 | 37 | 2,056 |
| Imperial Irrigation District - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 27,483 | 33,197 | 32,861 | 36,778 | 12,177 | 21,079 | 15,913 | 25,307 | 24,122 | 18,595 | 21,781 | 24,552 | 293,845 |
| Delivered to Mexico in Satisfaction of Treaty | 14,225 | 19,386 | 12,773 | 17,197 | 5,524 | 9,648 | 5,760 | 11,804 | 11,027 | 9,903 | 10,575 | 12,239 | 140,061 |
| Diverted by Others | 9,297 | 6,774 | 9,185 | 10,530 | 4,666 | 8,169 | 8,117 | 7,613 | 7,391 | 6,792 | 7,272 | 8,442 | 94,248 |
| Delivered to Storage ³ | 3,354 | 2,688 | 1,603 | 3,354 | 760 | 2,774 | 1,603 | 4,408 | 4,881 | 1,690 | 3,444 | 3,440 | 33,999 |
| Passing to Mexico in Excess of Treaty | 607 | 4,349 | 9,299 | 5,698 | 1,227 | 488 | 433 | 1,483 | 823 | 209 | 489 | 431 | 25,536 |
| Coachella Valley Water District - Diversion at Imperial Dam | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 58 | 189 | 2,176 | 1,377 | 1,978 | 519 | 701 | 1,417 | 1,085 | 260 | 304 | 436 | 10,500 |
| Delivered to Mexico in Satisfaction of Treaty | 0 | 82 | 706 | 739 | 373 | 36 | 143 | 647 | 500 | 138 | 92 | 56 | 3,512 |
| Diverted by Others | 58 | 104 | 274 | 265 | 1,203 | 447 | 497 | 524 | 233 | 105 | 125 | 162 | 3,997 |
| Delivered to Storage ³ | 0 | 0 | 134 | 99 | 192 | 32 | 52 | 71 | 326 | 17 | 83 | 217 | 1,223 |
| Passing to Mexico in Excess of Treaty | 0 | 2 | 1,061 | 273 | 210 | 5 | 9 | 175 | 26 | 1 | 4 | 1 | 1,767 |
| California Totals | | | | | | | | | | | | | |
| Ordered but not Diverted ¹ | 32,697 | 40,453 | 43,229 | 41,324 | 22,542 | 28,357 | 22,190 | 37,979 | 32,545 | 25,389 | 26,800 | 33,850 | 387,357 |
| Delivered to Mexico in Satisfaction of Treaty | 15,186 | 22,292 | 14,783 | 19,081 | 7,430 | 10,134 | 6,193 | 12,891 | 12,726 | 11,409 | 11,449 | 13,675 | 157,249 |
| Diverted by Others | 11,702 | 9,380 | 10,576 | 12,004 | 9,924 | 10,176 | 10,487 | 9,268 | 9,364 | 8,558 | 8,051 | 10,330 | 119,820 |
| Delivered to Storage ^{2,3} | 5,095 | 3,601 | 5,992 | 3,856 | 3,488 | 7,537 | 5,057 | 14,016 | 9,526 | 5,137 | 6,786 | 9,375 | 79,466 |
| Passing to Mexico in Excess of Treaty | 714 | 5,180 | 11,878 | 6,383 | 1,700 | 510 | 453 | 1,804 | 929 | 285 | 514 | 470 | 30,820 |

¹Due to converting daily cfs values to monthly AF totals and rounding to the nearest whole number, the sum of the disposition of water volumes may not equal the Ordered but not Diverted volume.

 $^{^{2}}$ Water not diverted by The Metropolitan Water District of Southern California remains in Lake Havasu.

³ Delivered to temporary storage in Senator Wash and Brock Reservoirs.

ARTICLE V(D): RECORDS OF DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF THE 1944 TREATY REQUIREMENTS AND WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS

In accordance with Article V(D) of the Consolidated Decree, Table 9 documents the records of deliveries to Mexico of water in satisfaction of the obligations of Part III of the "Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande" (1944 Mexican Water Treaty (Treaty)), signed February 3, 1944 and water passing to Mexico in excess of Treaty requirements.

The tabulations, based upon records furnished by the U.S. Section of the International Boundary and Water Commission (IBWC), show the quantities of water delivered to Mexico at the Northerly International Boundary, the Southerly International Boundary, the Limitrophe, and emergency deliveries to the City of Tijuana (as applicable), pursuant to Articles 10 and 15 of the 1944 Mexican Water Treaty and related Minutes of the IBWC; and the quantities of water passing to Mexico in excess of Treaty requirements.

Minutes incorporated into the tabulations include:

1) Minute 242 – Permanent and Definitive Solution to the International Problem of the Salinity of the Colorado River, signed August 30, 1973.

- 2) Minute 318 Adjustment of Delivery Schedules for Water Allotted to Mexico for the Years 2010 through 2013 as a Result of Infrastructure Damage in Irrigation District 014, Rio Colorado, Caused by the April 2010 Earthquake in the Mexicali Valley, Baja California, signed December 17, 2010.
- 3) Minute 319 Interim International Cooperative Measures in the Colorado River Basin Through 2017 and Extension of Minute 318 Cooperative Measures to Address the Continued Effects of the April 2010 Earthquake in the Mexicali Valley, Baja California, signed November 20, 2012.
- 4) Minute 322 Extension of the Temporary Emergency Delivery of Colorado River Water for Use in Tijuana, Baja California, signed January 19, 2017.
- 5) Minute 323 Extension of Cooperative Measures and Adoption of a Binational Water Scarcity Contingency Plan in the Colorado River Basin, signed September 21, 2017.

Table 9. Deliveries to Mexico in Satisfaction of Part III of the 1944 Mexican Water Treaty, and Water Passing to Mexico in Excess of Treaty Requirements, Calendar Year 2020. (Values are in acre-feet.)¹

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|-----------|
| Colorado River at the Northerly International Boundary ² | 85,917 | 124,435 | 183,617 | 158,582 | 116,723 | 128,267 | 142,213 | 119,679 | 102,273 | 55,882 | 82,149 | 81,379 | 1,381,116 |
| Deliveries to Mexico in Satisfaction of Treaty Requirements | | | | | | | | | | | | | |
| Delivery at the Limitrophe ³ | 285 | 263 | 306 | 174 | 172 | 137 | 128 | 154 | 197 | 457 | 347 | 462 | 3,082 |
| Diversion for Delivery at Tijuana ⁴ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 468 | 687 | 234 | 113 | 0 | 1,502 |
| Delivery at Southerly International Boundary | 7,359 | 8,001 | 9,090 | 6,911 | 9,338 | 8,555 | 7,938 | 6,481 | 7,896 | 9,822 | 9,248 | 8,171 | 98,810 |
| Diversion Channel Discharge ⁵ | 0 | 0 | 3 | 0 | 35 | 7 | 226 | 1 | 0 | 0 | 0 | 0 | 272 |
| Delivery to Mexico at the Northerly International Boundary ⁶ | 85,586 | 117,677 | 159,543 | 144,569 | 114,226 | 127,889 | 141,535 | 117,969 | 102,172 | 55,715 | 81,701 | 80,359 | 1,328,940 |
| Total Deliveries to Mexico in Satisfaction of Treaty Requirements | 93,230 | 125,941 | 168,942 | 151,655 | 123,770 | 136,588 | 149,827 | 125,073 | 110,952 | 66,228 | 91,409 | 88,992 | 1,432,606 |
| Creation of Mexico's Water Reserve 7,8 | 12,106 | 5,099 | 5,452 | 5,276 | 5,452 | 5,276 | 5,452 | 4,583 | 5,096 | 4,583 | 4,435 | 4,583 | 67,394 |
| Delivery of Mexico's Water Reserve | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total to Mexico in Satisfaction of Treaty Requirements | 105,337 | 131,041 | 174,394 | 156,931 | 129,222 | 141,864 | 155,279 | 129,656 | 116,048 | 70,811 | 95,844 | 93,575 | 1,500,000 |
| To Mexico in Excess of Treaty ⁹ | 332 | 6,759 | 24,074 | 14,013 | 2,498 | 378 | 678 | 1,711 | 101 | 166 | 448 | 1,019 | 52,176 |
| Accountable Deliveries to Mexico 10 | 105,668 | 137,799 | 198,468 | 170,944 | 131,720 | 142,241 | 155,957 | 131,366 | 116,149 | 70,978 | 96,292 | 94,594 | 1,552,176 |
| Water Bypassed Pursuant to IBWC Minute 242 | | 14,234 | 13,685 | 12,310 | 8,351 | 6,972 | 7,599 | 9,234 | 12,589 | 12,708 | 8,858 | 8,677 | 131,063 |
| Water Provided to the United States Pursuant to Section IX.A of IBWC Minute 323 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36,367 | 36,367 |
| | | | | | | | | | | | | | |
| Mexico's Water Reserve | | | | | | | | | | | | | |

BOY Balance Creation 7,8

132,975 67,394

The accounting for Mexico's Water Reserve is currently under development. This page will be updated after the accounting has been finalized.

Note: Annual totals may differ from the sum of the displayed monthly values due to rounding and conversion from TCM to AF.

Footnotes:

Footnotes: Continued on next page.

¹ Values shown are provisional and subject to change as they are pending finalization between the United States and Mexican Sections of the IBWC. This page will be updated after the accounting has been finalized.

 $^{^2}$ Total flow in the river at the NIB as reported by IBWC; includes water passing to Mexico in excess of Treaty requirements.

³ Wasteway deliveries to the river Limitrophe via the Cooper, 11 Mile, and 21 Mile lateral wasteways in satisfaction of the Treaty requirements.

⁴ Temporary emergency delivery of Colorado River water for the City of Tijuana is diverted at Lake Havasu by MWD and delivered via the Colorado River Aqueduct, MWD's, SDCWA's and Otay Water District's distribution systems pursuant to IBWC Minute 322.

⁵ The Diversion Channel delivers water from the SIB confluence structure to the river or to the Bypass Drain. Consistent with a 2001 Memorandum of Understanding between Reclamation and the U.S. Section of the IBWC and Section VI.B of IBWC Minute 323, during the months of September through December water is discharged to the Bypass Drain and is not charged to the Treaty. During the months of January through August water is discharged to the Colorado River and is charged to the Treaty.

⁶ That portion of the flows at NIB necessary to meet the 1.5 MAF Treaty obligation.

Water deferred by Mexico pursuant to Section V of IBWC Minute 323. Mexico's Water Reserve includes Emergency Storage, Revolving Account, and Intentionally Created Mexican Allocation.

Table 9 Footnotes: Continued from previous page.

⁸ A portion of the water deferred by Mexico was used to meet its required 2020 Binational Water Scarcity Contingency Plan (BWSCP) Contribution pursuant to the <u>Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019 (2019 Joint Report). In accordance with Section IV.A.3 of the 2019 Joint Report, because the actual January 1, 2020 Lake Mead elevation was greater than 1,090 feet, Mexico's 2020 BWSCP Contribution was accounted for and remained available as part of Mexico's Water Reserve.</u>

⁹ Water passing to Mexico in excess of Mexico's monthly schedule. Calculated as the sum of daily differences between actual flows to Mexico and Mexico's total schedule.

¹⁰ "Accountable Deliveries" are calculated as Colorado River at NIB + Delivery at the Limitrophe + Diversion for Delivery at Tijuana + Delivery at SIB + Diversion Channel Discharge + Creation of Mexico's Water Reserve - Delivery of Mexico's Water Reserve. It includes water passing to Mexico in excess of Mexico's daily schedule. It does not include water bypassed pursuant to IBWC Minute 242.

¹¹ As documented in the United States Section of the IBWC's <u>letter dated December 23, 2020</u>, Mexico made a total quantity of 36,367 AF (44,858.294 TCM) of water available for use in the United States in partial satisfaction of the terms of Section IX.A of IBWC Minute 323. The volume of water provided by Mexico came from water deferred and stored in Mexico's Water Reserve.

ARTICLE V(E): RECORDS OF DIVERSIONS AND CONSUMPTIVE USE OF WATER FROM THE MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS FOR THE BENEFIT OF THE GILA NATIONAL FOREST

Table 10. Diversions and Consumptive Use for the Benefit of the Gila National Forest, Calendar Year 2020. (Values are in acre-feet.)

| WATER SOURCE | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---------------------|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Gila River | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Francisco River | Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | Total Diversion | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total Consumptive Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

¹These data are provided annually by the New Mexico Interstate Stream Commission.

INFORMATION PROVIDED IN ADDITION TO THE REPORTING REQUIREMENTS OF THE CONSOLIDATED DECREE

The information contained in the following sections of this report is supplemental to the records required by Article V of the Consolidated Decree of the United States Supreme Court in Arizona v. California, 547 U.S. 150 (2006). This information provides a more extensive record of activities relating to federal management of the Colorado River. In concise tabulations specific to various agreements, policies, rules, or Records of Decision, this information is intended to help the reader correlate the records found in the Article V portion of this report with the various agreements. The penultimate section contains a list of documents significant to the actions taken by the Bureau of Reclamation, the Lower Division States, and the water user agencies for the calendar year documented in this report. The final section of this report contains a series of maps showing the general location of the water users tabulated in this report.

SUMMARY OF WATER AVAILABILITY AND USE BY STATE

The Secretary of the Interior (Secretary) makes Colorado River water available to the Lower Division States in accordance with Article II of the Consolidated Decree.

Under Article II, the Secretary apportions water to the states under shortage, normal, or surplus conditions, and, in accordance with Article II(B)(6), may release to a state water which was apportioned to but unused by another state.

The amount of Colorado River water available for use in a state is impacted by various agreements and policies. Examples of these agreements and policies include storage and interstate release agreements, the Colorado River Water Delivery Agreement, the Inadvertent Overrun and Payback Policy (IOPP), System Conservation Implementation Agreements (SCIAs), the Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead, and the Lower Basin Drought Contingency Plan Agreement, including the Lower Basin Drought Contingency Operations.

Table 11 documents the amount of Colorado River water made available to each Lower Division State under Article II of the Consolidated Decree – calculated as the state's basic apportionment, as adjusted for actions including, but not limited to, water released pursuant to Article II(B)(6) of the Consolidated Decree, paybacks made by users within the state in accordance with the IOPP, conservation created pursuant to executed SCIAs, water left in Lake Mead to meet a required Drought Contingency Plan Contribution, and creation and/or delivery of Intentionally Created Surplus – and the total consumptive use within a state. In those years when a given program shows activity a line will be included within the table denoting the activity and the volume of water involved. Otherwise, the line is omitted.

The table demonstrates whether the consumptive use results in an underrun or overrun of the amount of Colorado River water available to each Lower Division State for the calendar year covered by this report.

Table 11. State Apportionments, Adjustments, and Total Consumptive Use, Calendar Year 2020. (Values are in acre-feet.)

| STATE | ADJUSTMENTS | ACTUAL USE |
|------------|--|------------|
| Arizona | Basic Apportionment ¹ | 2,800,000 |
| | System Conservation Water - Pilot System Conservation Program ² | (349) |
| | System Conservation Water - Created by CRIT ³ | (50,000) |
| | System Conservation Water - Created by FMYN ⁴ | (10,000) |
| | System Conservation Water - Created by MVIDD 5 | (6,137) |
| | ICS Creation (CRIT) ⁶ | (3,736) |
| | ICS Creation (GRIC) ⁶ | (83,000) |
| | DCP Contribution (CAWCD) ⁷ | (180,608) |
| | Delivery of ICS (CAWCD) | 4,606 |
| | Total Available Colorado River Water ⁸ | 2,470,776 |
| | Total Consumptive Use ⁹ | 2,470,776 |
| | State Underrun or (Overrun) | 0 |
| | Unused AZ Apportionment Left in Lake Mead | 0 |
| | Net State Underrun or (Overrun) | 0 |
| California | Basic Apportionment ¹ | 4,400,000 |
| | System Conservation Water - Pilot System Conservation Program ² | (202) |
| | ICS Creation (MWD) ⁶ | (338,308) |
| | ICS Creation (IID) 6,10 | (1,579) |
| | DCP Contribution ¹¹ | 0 |
| | Total Available Colorado River Water ⁸ | 4,059,911 |
| | Total Consumptive Use ⁹ | 4,059,911 |
| | State Underrun or (Overrun) | 0 |
| | Unused CA Apportionment Left in Lake Mead | 0 |
| | Net State Underrun or (Overrun) | 0 |
| Nevada | Basic Apportionment ¹ | 300,000 |
| | ICS Creation (SNWA) ⁶ | (36,432) |
| | DCP Contribution (SNWA) 12 | (8,000) |
| | Total Available Colorado River Water ⁸ | 255,568 |
| | Total Consumptive Use ⁹ | 255,568 |
| | State Underrun or (Overrun) | 0 |
| | Unused NV Apportionment Left in Lake Mead | . 0 |
| | Net State Underrun or (Overrun) | 0 |

Footnotes: See next page.

Table 11 Footnotes:

- ¹ The state basic apportionment as described in Article II(B)(1) of the Consolidated Decree.
- ² The aggregate amount of water conserved in each state, in 2020, pursuant to individual System Conservation Implementation Agreements (SCIA) between Reclamation and water users participating in the Pilot System Conservation Program. In accordance with the SCIAs, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage. For additional information, see Tables 17 and 18.
- ³ System Conservation Water created by CRIT pursuant to the <u>Agreement Among the United States of America</u>, <u>Through the Department of the Interior</u>, <u>Bureau of Reclamation</u>, <u>the State of Arizona</u>, <u>Through the Arizona Department of Water Resources</u>, <u>the Central Arizona Water Conservation District</u>, <u>and the Colorado River Indian Tribes to Fund the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in use <u>During Calendar Years 2020-2022</u> dated July 26, 2019. This System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.</u>
- ⁴ System Conservation Water created by FMYN pursuant to <u>SCIA No. 19-XX-30-W0658</u> dated October 17, 2019. In accordance with the SCIA, Section 3.b of the <u>Lower Basin Drought Contingency Plan Agreement</u> (LB DCP Agreement), and Section II.3.e of the <u>Agreement Regarding Lower Basin Drought Contingency Plan Obligations</u> this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage. For additional information, see Table 20.
- ⁵ System Conservation Water created by MVIDD pursuant to <u>SCIA No. 20-XX-30-W0686</u> dated December 17, 2020. In accordance with the SCIA, Section 3.b of the LB DCP Agreement, and Section II.3.e of the *Agreement Regarding Lower Basin Drought Contingency Plan Obligations*, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage. For additional information, see Table 20.
- ⁶ The amount of Extraordinary Conservation ICS created by the water user during the reporting year. Extraordinary Conservation ICS creation by CAWCD, CRIT, IID and SNWA has been verified by Reclamation. All other values displayed in this column are provisional until verified by Reclamation. For additional information, see Table 22.
- ⁷ In accordance with Section III.B.1.a of <u>Lower Basin Drought Contingency Operations</u> (LBOps) and as summarized in LBOps Table 1, the state of Arizona was required to make a DCP Contribution in the total amount of 192,000 AF in 2020. In accordance with the <u>Agreement Regarding Lower Basin Drought Contingency Plan Obligations</u>, the DCP Contribution in the amount of 180,608 AF was made by CAWCD through the creation of Extraordinary Conservation ICS and through the creation of Non-ICS Water in 2020. In accordance with Section III.E.4 of LBOps, the DCP Contribution Deficiency in the amount of 11,392 AF will be added to the state of Arizona's required DCP Contribution for 2021. For additional information, see Table 23.
- ⁸ The total amount of Colorado River water available for use by the state during the reporting year.
- ⁹ The total consumptive use of Colorado River water within the state as tabulated in the Article V(B) section of this report.
- ¹⁰ For informational purposes: By <u>letter</u> dated May 5, 2021, IID notified Reclamation that, in 2020, IID provisionally created 51,023 AF of extraordinary conservation in excess of its CRWDA water transfer obligations that was left in Lake Mead. In accordance with the <u>California Agreement for the Creation and Delivery of Extraordinary Conservation Intentionally Created Surplus</u> dated December 13, 2007, 1,579 AF were stored by IID as Extraordinary Conservation ICS; the remaining 49,444 AF were diverted by MWD as unused water in accordance with the California Seven Party Agreement.
- ¹¹ In accordance with Section III.B.3 of LBOps and as summarized in LBOps Table 1, the state of California was not required to make a DCP Contribution in 2020.
- ¹² In accordance with Section III.B.2.a of LBOps and as summarized in LBOps Table 1, the state of Nevada was required to make a DCP Contribution in the total amount of 8,000 AF in 2020. The required DCP Contribution was made by SNWA through the creation of Extraordinary Conservation ICS in 2020. For additional information, see Table 23.

INTERSTATE WATER BANKING WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

On November 1, 1999, the Secretary of the Interior (Secretary) adopted Federal regulations, codified at 43 CFR Part 414, establishing a procedural framework for carrying out an interstate water banking program. The rule provided for authorized parties to enter into agreements whereby Colorado River water may be stored off-stream in one state for future benefit of consuming entities in another state.

The primary mechanism through which these transactions may occur is a Storage and Interstate Release Agreement (SIRA), which permits authorized entities in the Lower Division States to store Colorado River water off-stream, develop intentionally created unused apportionment (ICUA) in a future year, and make the ICUA available to the Secretary for release for use in another Lower Division State. These SIRAs provide structure and guidance, in accordance with Article II(B)(6) of the Consolidated Decree, for the actions the Secretary will take in releasing Colorado River water to a specific entity in order to implement the interstate contractual distribution of water under the interstate water banking program.

Two SIRAs have been implemented under 43 CFR Part 414. The first SIRA was entered into on December 18, 2002, among the Bureau of Reclamation, on behalf of the Secretary, the Arizona Water Banking Authority (AWBA), the Southern Nevada Water Authority (SNWA), and the Colorado River Commission of Nevada (CRCN). This SIRA provides for the storage, by AWBA, of either the State of Arizona's basic or surplus apportionment or the State of Nevada's unused basic or surplus apportionment for the benefit of SNWA.

In 2001, AWBA, SNWA, and CRCN executed an Agreement for Interstate Water Banking, amended January 1, 2005, April 1, 2009, and May 20, 2013, specifying the interstate banking relationship among those parties. This agreement establishes the terms and conditions for the off-stream storage of Colorado River water in Arizona and the establishment of Long-Term Storage Credits (LTSC) for the benefit

of SNWA. Under the AWBA/SNWA/CRCN interstate banking agreement, Colorado River water diverted and banked in Arizona is accounted as consumptively used by Arizona in the year it is diverted and, as a result, LTSCs are created for SNWA. When LTSCs are recovered, SNWA will divert Colorado River water in exchange for the Central Arizona Water Conservation District's (CAWCD) use of the LTSCs pursuant to the SIRA. The Secretary will release ICUA created by AWBA, via CAWCD's forbearance to SNWA, in that same year pursuant to Article II(B)(6) of the Consolidated Decree. ICUA used by SNWA is in addition to Nevada's basic apportionment and is accounted as consumptive use of Colorado River water in Nevada for that year.

The second SIRA was entered into on October 27, 2004, among Reclamation, on behalf of the Secretary, The Metropolitan Water District of Southern California (MWD), SNWA, and CRCN. This SIRA provides for the storage, by MWD, of the State of Nevada's unused basic or surplus apportionment for the benefit of SNWA.

In 2004, MWD, SNWA, and CRCN, executed an Operational Agreement, amended August 2009, October 2012, and October 2015, specifying the interstate banking relationship among those parties, and providing the terms and conditions under which MWD will store Nevada unused basic apportionment for the benefit of SNWA. When SNWA requests delivery of this water, MWD will develop ICUA by reducing its diversion of Colorado River water. The ICUA developed by MWD through its reduced diversion of Colorado River water will be released by the Secretary for use by SNWA.

Table 12 documents the Accumulated Long-Term Storage Credits (ALTSC) verified by AWBA and MWD, provisional LTSC accrued during the past year, LTSCs recovered during the past year, and ALTSC held for an entity with a SIRA.

Table 12. Colorado River Water Stored in one State Under 43 CFR Part 414 for the Benefit of Specific Entities in Another State (Interstate Water Banking), Calendar Year 2020. (Values are in acre-feet.)

| | ВОҮ | | | | | | | | | | | | | |
|---|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Balance | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
| NEVADA | | | | | | | | | | | | | | |
| Water diverted and stored in AZ by AWBA for the ber | nefit of SNW | /A | | | | | | | | | | | | |
| Verified ALTSC ¹ | 613,846 | | | | | | | | | | | | | |
| Accrued LTSC in 2020 ² | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Verified LTSC in 2020 ³ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICUA Developed in 2020 ⁴ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total ALTSC ⁵ | = | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 | 613,846 |
| Water diverted and stored in CA by MWD for the ben | efit of SNW | A | | | | | | | | | | | | |
| Verified ALTSC ^{1,6} | 330,225 | | | | | | | | | | | | | |
| Diverted in 2020 ⁶ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Verified LTSC in 2020 ⁶ | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ICUA Developed in 2020 ^{4, 6} | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total ALTSC ⁶ | = | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 | 330,225 |
| TOTAL | | | | | | | | | | | | | | |
| Water stored for the benefit of SNWA during the calendary | ar year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumulative Balance of Water Stored for SNWA within AZ | and CA ⁷ | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 | 944,071 |

Footnotes:

¹ ALTSCs are LTSCs verified by the banking entity and available for recovery by a specific entity with a valid SIRA. The amount of ICUA developed cannot exceed verified LTSCs. "BOY Balance" values shown above may differ from the previous year's end-of-year "Total ALTSC" due to differences between provisional and verified accounting of LTSCs. For additional information see the "Interstate Water Banking" section in the Significant Documents.

² Provisional LTSCs accrued during the reporting year for the benefit of a specific consuming entity in Nevada with a valid SIRA. Provisional LTSCs represent the amount of water diverted from the river and transported to the storage facility. Provisional LTSCs that have not been verified by AWBA or MWD are not eligible for certification and recovery. Accruals of LTSCs in Arizona for the benefit of consuming entities in Nevada and California are limited to 200,000 AF annually.

³ The provisional amount of LTSC's credited to SNWA's Interstate Account during the reporting year after incorporating the estimated losses and mandatory cut to the aquifer. The values displayed are provisional until verified by AWBA.

⁴ ICUA developed by AWBA or MWD during the reporting year. AWBA or MWD have certified this amount to be available and the Secretary has released it to a specific entity with a valid SIRA. The ALTSCs are certified by AWBA or MWD when ICUA is requested, and prior to its release by the Secretary. Total recovery of ALTSCs from AWBA cannot exceed 100,000 AF annually, due to a limitation defined under Arizona state law. When water is released from storage, Arizona or MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release. Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available.

⁵ ALTSCs are the cumulative monthly sum of verified or estimated LTSCs.

⁶ In 2004, MWD, SNWA, and the Secretary entered into a SIRA to allow MWD to divert and store water for the benefit of SNWA. When storage occurs, it must be Nevada unused apportionment, which will require Nevada to reduce its consumptive use by an amount equal to the total storage. When water is released from storage, MWD will be required to reduce its consumptive use through the development of ICUA in an amount equal to Nevada's requested release and Nevada will be allowed to utilize the unused apportionment in an amount equal to the ICUA made available by MWD.

⁷ This cumulative balance includes both the BOY ALTSC balance as verified by AWBA and MWD and the verified LTSCs placed into storage during the reporting year.

INADVERTENT OVERRUNS AND PAYBACKS WITHIN THE STATES OF ARIZONA, CALIFORNIA, AND NEVADA

On October 10, 2003, the Secretary of the Interior (Secretary) executed the Colorado River Water Delivery Agreement authorizing the Inadvertent Overrun and Payback Policy (IOPP). The policy is set forth in the Record of Decision, Colorado River Water Delivery Agreement, Implementation Agreement, Inadvertent Overrun and Payback Policy, and Related Federal Actions, Final Environmental Impact Statement, published in the Federal Register at 69 Fed. Reg. 12202 (March 15, 2004). Effective January 1, 2004, the IOPP, which applies only to Colorado River water users in the Lower Division States, defines inadvertent overruns, establishes procedures to account for inadvertent overruns to the Colorado River system.

For various reasons, a user may inadvertently divert, pump or receive Colorado River water in an amount that exceeds that to which the user is entitled for that year pursuant to the user's water delivery contract, decreed water right, or Secretarial reservation (inadvertent overrun).

In accordance with the IOPP, paybacks are required to commence in the calendar year that immediately follows the release date of the final Water Accounting Report that reports the overrun. Section 2.6 of the IOPP sets forth the number of years within which an overrun must be paid back and the minimum payback required for each year. Overruns are not allowed in a year for which the Secretary has determined a Shortage Condition.

The tabulations in Tables 13 through 15 document information associated with inadvertent overruns and paybacks, as applicable, for each individual water user, including:

- 1) The beginning-of-year overrun account balance.
- 2) The amount of overrun incurred in the reporting year.
- 3) The amount of validated paybacks made to the Colorado River system in the reporting year.
- 4) The end-of-year overrun balance.

Table 13. State of Arizona - Overruns, Paybacks, and Overrun Account Balances, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | ANNUAL TOTALS DETAILS DIVERSION CONSUMPTIVE USE APPROVAL ENTITLEMENT | | | | | | | | | |
|------------|---|-----------------------------|-------|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | No overruns or paybacks occurred within the State | of Arizona in the reporting | year. | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Table 14. State of California - Overruns, Paybacks, and Overrun Account Balances, Calendar Year 2020. (Values are in acre-feet.)

| | ANNUAL TOTALS | | | | | | | | | |
|------------|---|-------------------------------|-----------------|----------|-------------|--|--|--|--|--|
| WATER USER | DETAILS | DIVERSION | CONSUMPTIVE USE | APPROVAL | ENTITLEMENT | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | No | -f C-lifi i th | | | | | | | | |
| | No overruns or paybacks occurred within the State | of California in the reportir | ng year. | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Table 15. State of Nevada - Overruns, Paybacks, and Overrun Account Balances, Calendar Year 2020. (Values are in acre-feet.)

| WATER USER | ANNUAL TOTALS DETAILS DIVERSION CONSUMPTIVE USE APPROVAL ENTITLEMENT | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | No overruns or paybacks occurred within the State of Nevada in the reporting year. | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

LOWER COLORADO WATER SUPPLY PROJECT

The Lower Colorado Water Supply Act (Act), Public Law 99-655, November 14, 1986, authorized the Secretary of the Interior (Secretary) to construct, operate, and maintain the Lower Colorado Water Supply Project (LCWSP). Pursuant to the Act, the Secretary is authorized to enter into exchange contracts and contracts for the care, operation, and maintenance of all or any part of the project works, subject to such rules and regulations as the Secretary may prescribe. Reclamation assumed the care, operation, and maintenance of the LCWSP in 2013.

Any contracts executed by the Secretary to recover the costs of the LCWSP must be with persons, or Federal or non-Federal governmental entities whose lands or interests in lands are located adjacent to the Colorado River in the State of California who do not hold rights to Colorado River water or whose rights are insufficient to meet their present or anticipated future domestic, municipal, industrial, and recreational needs, as determined by the Secretary. Water for agricultural use is not authorized under the Act.

The Act authorized construction of wells with a total annual capacity of 10,000 acre-feet. Stage I of the LCWSP has been completed and consists of two wells located south of the All-American Canal (AAC) in Imperial County having a total design capacity of 5,000 acre-feet. The wells, which became operational as of August 1, 2003, pump groundwater and discharge it into the AAC for use by the Imperial Irrigation District (IID). IID then forbears the use of an equal amount of Colorado River water.

In September 1992, the Bureau of Reclamation entered into a contract to supply LCWSP water to the City of Needles (Needles) in annual amounts up to 3,500 acre-feet of the initial capacity. Pursuant to that contract, Needles enters into subcontracts for delivery of LCWSP water to non-Federal water users in San Bernardino, Riverside, and Imperial Counties. The Colorado River Board of California (CRBC) receives and reviews applications for LCWSP

subcontracts and makes recommendations to Reclamation. Reclamation reviews CRBC's recommendations and refers approved applicants to Needles for execution of subcontracts.

In September 1998, the Bureau of Land Management (BLM) was allocated 1,150 acre-feet of Stage I capacity for consumptive use on BLM administered lands in California located adjacent to the Colorado River. In December 2004, a Reclamation determination reserved an additional 350 acre-feet of Stage I capacity of the LCWSP for use by Reclamation facilities in California on land adjacent to the Colorado River. With that determination, the estimated 5,000 acre-feet per year of Stage I capacity was completely allocated.

The Act, as amended in 2005 by Public Law 109-103, authorized the Secretary to enter into agreements for the design and construction of the remaining stages of the LCWSP. Additionally, it authorized contracts with persons or entities holding water delivery contracts under Section 5 of the Boulder Canyon Project Act of 1928 for municipal and industrial uses within the State of California. On March 26, 2007, Reclamation entered into a contract with Needles and The Metropolitan Water District of Southern California (MWD), allowing MWD to receive as much unused water as available. MWD is depositing certain monies in a Water Quality Maintenance Trust Fund (Trust Fund) to provide for the long-term viability of the LCWSP or its replacement.

In 2010, development began for Stage II of the LCWSP to provide the remaining authorized capacity of up to 5,000 acre-feet per year. In 2013, following the initial planning and environmental compliance phase, Needles and Reclamation entered into a design, acquisition, and construction agreement, funded by the Trust Fund. Two new wells were constructed in 2017. LCWSP-3 and LCWSP-4 began well-development pumping in December 2017 and November 2017, respectively. The LCWSP began producing the entire 10,000 acre-feet of LCWSP water in 2018.

Table 16. Summary of Uses Offset by Pumpage from the Lower Colorado Water Supply Project, Calendar Year 2020. (Values are in acre-feet.)

| | | TOTAL |
|--|--|--------|
| LCWSP Wellfield Pumpage ¹ | | 10,000 |
| Federal LCWSP Contractors ² | | |
| BLM | Consumptive Use | 137 |
| Bureau of Reclamation - Parker Dam and Government Camp | Consumptive Use | 0 |
| | Total Federal Contractors' Consumptive Use | 137 |
| Non-Federal LCWSP Contractors ³ | | |
| City of Needles | Consumptive Use | 0 |
| Needles' Subcontractors | | |
| Southern California Gas Company | Consumptive Use | 22 |
| Pacific Gas & Electric Company | Consumptive Use | 139 |
| Havasu Water Company | Consumptive Use | 21 |
| Vista del Lago | Consumptive Use | 22 |
| Needles' Other Subcontractors | Consumptive Use | 178 |
| | Needles' and Subcontractors' Consumptive Use | 382 |
| LCWSP Water Available to MWD ⁴ | | 9,481 |
| | Total Non-Federal Contractors' Consumptive Use | 9,863 |

Footnotes:

¹ Non-Colorado River water pumped from the LCWSP wellfield and discharged into the AAC for delivery to IID. In accordance with the Contract Among the United States, Imperial Irrigation District, and Coachella Valley Water District for Exchange of Water from The Lower Colorado Water Supply Project Well Field for Colorado River Water, as amended, IID forbears the consumptive use of an equivalent amount of Colorado River, up to a maximum of 10,000 AF per year, to make such water available, via exchange, to the LCWSP beneficiaries.

² Total LCWSP Federal contractors' consumptive use. Colorado River water used was exchanged for LCWSP water.

³ Total LCWSP Non-Federal consumptive use by the City of Needles and its subcontractors. Colorado River water used was exchanged for LCWSP water.

⁴ Total amount of water pumped from the wellfield, up to a maximum of 10,000 AF, less consumptive use of LCWSP water by Federal and Non-Federal LCWSP contractors.

TRANSFERS, EXCHANGES, AND WATER MADE AVAILABLE BY CONSERVATION

Colorado River water apportioned to the Lower Division States has been further apportioned among the states of Arizona, California, and Nevada and is generally committed to specific persons or entities on a permanent basis. Increasing water demands within the Lower Division States must be met through a combination of conservation, transfers, exchanges, or new water sources which augment the limited supply of Colorado River water.

On October 10, 2003, the Secretary of the Interior entered into the Colorado River Water Delivery Agreement (CRWDA) with Imperial Irrigation District, Coachella Valley Water District, The Metropolitan Water District of Southern California, and the San Diego County Water Authority to resolve longstanding disputes regarding the priority, use, and transfer of Colorado River water within California. The CRWDA recognizes a variety of water transfers, exchanges, and conservation programs which alter the delivery of certain Colorado River water for up to 75 years.

Concurrent with the CRWDA, the California agencies entered into the Quantification Settlement Agreement, including a series of supplemental agreements, which collectively implement many provisions of the CRWDA through water transfers, water exchanges, and water conservation measures. Data as a result of the implementation of these agreements are documented in this section.

Tables 17 through 19 entitled "State of [State] Transfers, Exchanges and Water Made Available by Extraordinary Conservation, Calendar Year 2020" tabulate these transactions reported within Arizona, California, and Nevada.

For California, the tabulation documents water conserved in accordance with the CRWDA and other water conserved pursuant to specified agreements.

For Arizona and California, the tabulation includes System Conservation Water created in 2020 under the Pilot System Conservation Program (PSCP). Under the PSCP, System Conservation Water, conserved through the voluntary implementation of extraordinary conservation pilot projects, remained in Lake Mead to benefit system storage.

Table 20 entitled "Bureau of Reclamation – Water Made Available by Conservation, Calendar Year 2020" documents water made available by the Bureau of Reclamation through various conservation efforts, including water discharged to the Colorado River as a result of the operation of the Yuma Desalting Plant, water conserved by Warren H. Brock Reservoir, and Colorado River System Water conserved from projects addressing Section 3.b of the Lower Basin Drought Contingency Plan Agreement.

Table 21 entitled "Exhibit B to the Colorado River Water Delivery Agreement" is reproduced from the CRWDA for convenient reference.

Table 17. State of Arizona - Transfers, Exchanges, and Water Made Available by Extraordinary Conservation, Calendar Year 2020. (Values are in acre-feet.)

| PROGRAM OR PARTICIPATING AGENCIES | TOTAL |
|---|--------|
| Pilot System Conservation Program (PSCP) ² | 349 |
| City of Bullhead City ³ | 349 |
| | |
| Arizona LB DCP Agreement - System Conservation | 50,000 |
| Colorado River Indian Tribes ⁴ | 50,000 |
| | |
| | |
| | |
| | |
| | |

Footnotes:

¹ Additional conservation activities implemented in the state of Arizona to create Colorado River System Water addressing Section 3.b of the <u>Lower Basin Drought Contingency Plan Agreement</u> during the reporting year may be found in Table 20.

² Water conserved from projects implemented pursuant to System Conservation Implementation Agreements (SCIA) executed in accordance with the July 30, 2014 <u>Agreement Among The United States of America, Through The Department of the Interior, Bureau of Reclamation, The Central Arizona Water Conservation District, The Metropolitan Water District of Southern California, Denver Water, and The Southern Nevada Water <u>Authority, For A Pilot Program for Funding the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in Use</u>, as amended. Water conserved from projects implemented under the PSCP is for the sole purpose of increasing storage levels in Lake Mead and Lake Powell and will not accrue to the benefit or use of any individual water user.</u>

³ In 2015, Reclamation and the City of Bullhead City (City) entered into <u>SCIA No. 15-XX-30-W0587</u>, as amended, under the PSCP in which the City agreed to construct wastewater injection wells to recover and inject into the Colorado River aquifer effluent that would otherwise be lost by evaporation and dedicate a portion of this water as System Conservation Water. In accordance with the SCIA and Letter Agreement No. 15-XX-30-W0588 between Reclamation and CAWCD, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.

⁴ System Conservation Water created by the Colorado River Indian Tribes pursuant to the <u>Agreement Among the United States of America, Through the Department of the Interior, Bureau of Reclamation, the State of Arizona, Through the Arizona Department of Water Resources, the Central Arizona Water Conservation District, and the Colorado River Indian Tribes to Fund the Creation of Colorado River System Water Through <u>Voluntary Water Conservation and Reductions in use During Calendar Years 2020-2022</u> dated July 26, 2019 (Conservation Agreement). In accordance with the Conservation Agreement, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.</u>

Table 18. State of California - Transfers, Exchanges, and Water Made Available by Extraordinary Conservation, Calendar Year 2020. (Values are in acre-feet.)

| · · · · · · · · · · · · · · · · · · · | |
|---|---------|
| PROGRAM OR PARTICIPATING AGENCIES | TOTAL |
| IID Conservation | 438,200 |
| 1988 IID/MWD Water Conservation Agreement/1989 Approval Agreement (105,000 AF Total Conservation) 1 | |
| MWD's Use of Conserved Water | 90,000 |
| CVWD's Use of Conserved Water ² | 15,000 |
| 1998 IID/SDCWA Water Conservation Agreement (Transfer to SDCWA) ³ | 192,500 |
| 2003 IID/CVWD Conserved Water Agreement (Intra-Priority 3 Transfer to CVWD) ⁴ | 73,000 |
| All-American Canal Lining Project (67,700 AF Total Conservation) ⁵ | |
| SDCWA Exchange with MWD | 56,200 |
| Supplemental Water Delivered to the SLRSP | 11,500 |
| CVWD Conservation | 30,850 |
| Coachella Canal Lining Project (30,850 Total Conservation) ⁶ | |
| SDCWA Exchange with MWD | 21,500 |
| Supplemental Water Delivered to the SLRSP | 4,500 |
| Used by CVWD for Environmental Mitigation 7 | 4,850 |
| Total MWD Exchange with SDCWA ⁸ | 270,200 |
| PVID/MWD Forbearance and Fallowing Program ⁹ | 43,858 |
| MWD/Bard Water District Land Management and Seasonal Fallowing Program ¹⁰ | 6,075 |
| Pilot System Conservation Program (PSCP) ¹¹ | 202 |
| City of Needles ¹² | 202 |
| | |

Note: Additional transfers and water exchange obligations may be found in Table 21, Exhibit B to the CRWDA.

Footnotes:

Footnotes continued on next page.

¹ Water conserved by IID and made available to MWD in accordance with the 1988 Agreement for the Implementation of a Water Conservation Program and Use of Conserved Water (1988 IID/MWD Water Conservation Agreement), as amended, the 1989 Approval Agreement, as amended, and the December 17, 2014 letter agreement between MWD and IID; reported as an annual total.

² The volume shown above represents the estimated annual amount delivered to CVWD by MWD in accordance with Section 13 of the <u>Second Amendment to Delivery and Exchange Agreement between</u> <u>Metropolitan and Coachella for 35,000 Acre-Feet</u> dated December 11, 2019 and Letter Agreement No. 21-XX-30-W0710 between Reclamation and CVWD.

³ Water conserved by IID for transfer to SDCWA in accordance with the 1998 IID/SDCWA Water Transfer Agreement, as amended, and as referenced in Column 5, Exhibit B the CRWDA.

⁴ Water conserved by IID and made available to CVWD in accordance with the 2003 IID/CVWD Acquisition Agreement to meet the IID/CVWD Intra-priority 3 Transfer obligation as referenced in Column 8, Exhibit B of the CRWDA.

⁵ The <u>Secretarial Determination</u> of water conserved by lining certain reaches of the AAC was issued in December 2009. Conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003 and Public Law 100-675, as amended.

⁶ The <u>Secretarial Determination</u> of water conserved by the CCLP was issued in January 2008. Conserved water was distributed in accordance with the Allocation Agreement among the United States, MWD, CVWD, IID, SDCWA, and the SLRSP, dated October 10, 2003, Public Law 100-675, as amended, and Exhibit B to the Settlement Agreement between CVWD and SDCWA, dated October 30, 2007.

⁷The final amount of environmental mitigation water used by CVWD as reported in CVWD's letter dated January 20, 2021.

⁸ The amount shown represents water exchanged between MWD and SDCWA in the reporting year. This is the sum of: Transfer to SDCWA (192,500 AF), All-American Canal Lining Project - SDCWA Exchange with MWD (56,200 AF), and Coachella Canal Lining Project - SDCWA Exchange with MWD (21,500 AF).

Table 18 Footnotes: Continued from previous page.

⁹ PVID's annual reduction in agricultural consumptive use of Colorado River water through land fallowing, as reflected in Table 8 of the report titled <u>Calendar Year 2020 Fallowed Land Verification Report.</u>

<u>PVID/MWD Forbearance and Fallowing Program</u> dated May 12, 2021. This value represents the estimated reduction in PVID's agricultural consumptive use as a result of fallowing 10,736 acres from January through December in the reporting year.

¹⁰ Bard Water District's seasonal reduction in consumptive use of Colorado River water through land fallowing. This value represents the estimated reduction in Bard Water District's consumptive use as a result of fallowing 2,748.8 acres from April 1 through July 31 in the reporting year.

¹¹ Water conserved from projects implemented pursuant to System Conservation Implementation Agreements (SCIA) executed in accordance with the July 30, 2014 <u>Agreement Among The United States of America, Through The Department of the Interior, Bureau of Reclamation, The Central Arizona Water Conservation District, The Metropolitan Water District of Southern California, Denver Water, and The Southern Nevada Water Authority, For A Pilot Program for Funding the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in Use, as amended. Water conserved from projects implemented under the PSCP is for the sole purpose of increasing storage levels in Lake Mead and Lake Powell and will not accrue to the benefit or use of any individual water user.</u>

¹² In 2016, Reclamation and the City of Needles (Needles) entered into <u>SCIA No. 15-XX-30-W0596</u> under the PSCP in which Needles agreed to implement water conservation measures on the Rivers Edge Golf Course to create System Conservation Water. In accordance with the SCIA, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.

| Table 19. S | State of Nevada - | Transfers, E | xchanges, and | Water Made | Available by | Extraordinary | Conservation | , Calendar Yo | ear 2020. | (Values are in | acre-feet.) |
|-------------|-------------------|--------------|---------------|------------|--------------|---------------|--------------|---------------|-----------|----------------|-------------|
| | | | | | | | | | | | |

| PROGRAM OR PARTICIPATING AGENCIES | TOTAL |
|---|-------|
| No transfers, exchanges, or water made available by extraordinary conservation were made by Nevada during the reporting year. | IOIAL |
| | |

Table 20. Bureau of Reclamation - Water Made Available by Conservation, Calendar Year 2020. (Values are in acre-feet.)

| CONSERVATION PROGRAM | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | ОСТ | NOV | DEC | TOTAL |
|---|------------|-------|--------|--------|-----|-----|-------|-------|-------|-------|-----|-------|--------|
| Warren H. Brock Reservoir Conservation ^{1,2} | 6,088 | 4,367 | 10,269 | 15,848 | 529 | 450 | 2,584 | 6,183 | 3,752 | 1,397 | 120 | 2,286 | 53,873 |
| Yuma Desalting Plant Discharge to the Colorado River ³ | 18 | 17 | 18 | 18 | 18 | 18 | 14 | 10 | 16 | 19 | 10 | 16 | 192 |
| Pilot System Conservation Program (PSCP) 4 | | | | | | | | | | | | | 551 |
| | | 5 | | | | | | | | | | | |
| LB DCP Agreement - Development of Colorado River Sy | stem Water | r - | | | | | | | | | | | |
| Fort McDowell Yavapai Nation ⁶ | | | | | | | | | | | | | 10,000 |
| Mohave Valley Irrigation and Drainage District ⁷ | | | | | | | | | | | | | 6,137 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Footnotes:

¹ Colorado River water conserved by Warren H. Brock Reservoir in the reporting year, as documented in the <u>Memorandum: Brock Reservoir Conservation Estimation for Calendar Year 2020</u>. Note: previous years' Colorado River Accounting and Water Use Report: Arizona, California, and Nevada (Water Accounting Report) published by Reclamation have reported annual volumes of water stored, not conserved, by Brock Reservoir. The volume of water stored by Brock Reservoir, as published in past Water Accounting Reports through 2019, reflects actual operations and includes water conserved as well as flows and deliveries made for non-conservation operational purposes. Additional information, including the annual conservation volumes for 2013-2019 and the methodology used to estimate the volume of water conserved, may be found in the <u>Warren H. Brock Reservoir Conservation Summary Report</u> dated December 2020.

² Funding and construction of Brock Reservoir was made in accordance with Contract No. 07-XX-30-W05165 among Reclamation, CRCN, SNWA, MWD, and CAWCD. In exchange for funding and based proportionally on the amount of funding provided, SNWA received 400,000 AF of System Efficiency ICS, and MWD and CAWCD each received 100,000 AF of System Efficiency ICS. Brock Reservoir System Efficiency ICS balances may be seen in Table 22.

³ Water created by operation of the Yuma Desalting Plant and discharged to the Colorado River.

⁴ Water conserved from projects implemented pursuant to System Conservation Implementation Agreements executed in accordance with the July 30, 2014 <u>Agreement Among The United States of America.</u> <u>Through The Department of the Interior, Bureau of Reclamation, The Central Arizona Water Conservation District, The Metropolitan Water District of Southern California, Denver Water, and The Southern Nevada Water Authority, For A Pilot Program for Funding the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in Use, as amended. Water conserved from projects implemented under the PSCP is for the sole purpose of increasing storage levels in Lake Mead and Lake Powell and will not accrue to the benefit or use of any individual water user. (Volume shown is the total amount of System Conservation Water conserved in 2020 from projects implemented in Arizona and California. For additional information, see Tables 17 and 18.)</u>

⁵ Colorado River System Water conserved from projects addressing Section 3.b of the <u>Lower Basin Drought Contingency Plan Agreement</u> (LB DCP Agreement). This water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.

⁶ In 2019, Reclamation and FMYN entered into <u>SCIA No. 19-XX-30-W0658</u> in which FMYN agreed to forego delivery of 10,000 AF of its Central Arizona Project water entitlement in 2020 to create System Conservation Water. In accordance with the SCIA, Section 3.b of the LB DCP Agreement, and Section II.3.e of the <u>Agreement Regarding Lower Basin Drought Contingency Plan Obligations</u>, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.

⁷ In 2020, Reclamation and the Mohave Valley Irrigation and Drainage District (MVIDD) entered into <u>SCIA No. 20-XX-30-W0686</u> in which MVIDD agreed to forego irrigation water deliveries and fallow 1,196 acres of land for the period January 1, 2020 through December 31, 2020 to create System Conservation Water. In accordance with the SCIA, Section 3.b of the LB DCP Agreement, and Section 3.e of the *Agreement Regarding Lower Basin Drought Contingency Plan Obligations*, this System Conservation Water remained in Colorado River reservoirs in the Lower Basin to benefit system storage.

Table 21. Exhibit B to the Colorado River Water Delivery Agreement.

| | | | | | | | | <u> </u> | | | | EXHIBIT | В | | | | | | | | | | | |
|----------|--------------|--------------------------|--------------|------------|------------|--------------|--------------------|--------------|---------------|-------------|--------------|--------------------|---------------------------|-----|-----|-------------------|------------|------------|-----------------|-----------------------------|---------------|--------------------------------|------------|----------------|
| | | | | | | | | | | | QUANTIFI | CATION AND | TRANSFERS | ı | | | | | | | | | | |
| | | | | | | | | | | | In 7 | housands of | Acre-feet | | | | | | | | | | | |
| Column | : 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 1 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | IID Priority | y 3a | | | | | | | | | CVWD Pri | ority 3a | | | | | |
| | | | | | | | | Reduction | ıs | | | | | | | | Reductions | j | Add | itions | | | | |
| | | | | | | | | | | | | | 10 | | | | | 11CVWD | | | CVWD Net | Total Priority 1-3 Use Plus | | |
| | | | | | | 4IID | | | 6IID | | | IID Reductions: | 10 IID Net Consumptive | | | | | Reductions | | | Consumptive | PPR | | |
| | | | | 3IID | | Reduction: | 5,6 _{IID} | | Reduction: | 8IID | | Total | Use Amount | | | ⁴ CVWD | | : Total | | | Use Amount | Consumptive | | |
| | | | IID Priority | | IID | AAC Lining | Reduction: | 7Intra- | MWD | Reduction: | 9IID | Amount | (difference | CVV | | Reduction: | 9CVWD | Amount | | | (columns 14 - | Use (sum of | | |
| | | | 3a | MWD 1988 | | | SDCWA | Priority 3 | Transfer with | Conditional | Reduction: | (sum of | between | | | | Reduction: | (sum of | 7Intra-Priority | ³ Intra-Priority | 17 plus | columns | | |
| | Calendar | ² Priority 1. | Quantified | Agreement | SDCWA | SDCWA & | Mitigation | Transfer | Salton Sea | ISG | Misc. | columns 4 | column 3 and | | | SDCWA & | Misc. | columns | 3 Transfer | 3 Transfer | columns 18 + | 2+13+20 | 12ISG | 12Annual |
| | Year | 2 and 3b | Amount | Transfer | Transfer | SLR | Transfer | IID/CVWD | Restoration | Backfill | PPRs | through 11) | column 12) | Amo | unt | SLR | PPRs | 15 + 16) | IID/CVWD | MWD/CVWD | 19) | plus 11+16) | Benchmarks | Targets |
| 1 | 2003 | 420 | 3,100 | 110 | 10 | 0 | 5 | 0 | 0 | 0 | 11.5 | 136.5 | 2,963.5 | 33 | | 0 | 3 | 3 | 0 | 20 | 347 | 3,745.0 | 3,740 | 3,740 |
| 2 | 2004 | 420 | 3,100 | 110 | 20 | 0 | 10 | 0 | 0 | 0 | 11.5 | 151.5 | 2,948.5 | 33 | | 0 | 3 | 3 | 0 | 20 | 347 | 3,730.0 | | 3,707 |
| 3 | 2005 | 420 | 3,100 | 110 | 30 | 0 | 15 | 0 | 0 | 0 | 11.5 | 166.5 | 2,933.5 | 33 | | 0 | 3 | 3 | 0 | 20 | 347 | 3,715.0 | | 3,674 |
| 4 | 2006 | 420 420 | 3,100 | 110 110 | 40 50 | 0 | 20 25 | 0 | 0 | 9 | 11.5 11.5 | 190.5 196.5 | 2,909.5 2,903.5 | 33 | | 26 26 | 3 | 29 29 | 0 | 20 | 321 | 3,665.0 | 3,640 | 3,640 3.603 |
| 5 | 2007 | 420 | 3,100 | 110 | 50 | 67.7 | 25 | 4 | 20 | 0 | 11.5 | 288.2 | 2,903.5 | 33 | | 26 | 3 | 29 | 4 | 20 | 321 325 | 3,659.0 3,571.3 | | 3,603 |
| 7 | 2009 | 420 | 3,100 | 110 | 60 | 67.7 | 30 | 8 | 40 | 0 | 11.5 | 327.2 | 2,772.8 | 33 | | 26 | 3 | 29 | 8 | 20 | 329 | 3,536.3 | 3.530 | 3,530 |
| 8 | 2010 | 420 | 3,100 | 110 | 70 | 67.7 | 35 | 12 | 60 | 0 | 11.5 | 366.2 | 2,773.8 | 33 | | 26 | 3 | 29 | 12 | 20 | 333 | 3,501.3 | 0,000 | 3.510 |
| 9 | 2011 | 420 | 3,100 | 110 | 80 | 67.7 | 40 | 16 | 80 | 0 | 11.5 | 405.2 | 2,694.8 | 33 | | 26 | 3 | 29 | 16 | 20 | 337 | 3,466.3 | | 3,490 |
| 10 | 2012 | 420 | 3,100 | 110 | 90 | 67.7 | 45 | 21 | 100 | 0 | 11.5 | 445.2 | 2,654.8 | 33 | | 26 | 3 | 29 | 21 | 20 | 342 | 3,431.3 | 3,470 | 3,470 |
| 11 | 2013 | 420 | 3,100 | 110 | 100 | 67.7 | 70 | 26 | 100 | 0 | 11.5 | 485.2 | 2,614.8 | 33 | | 26 | 3 | 29 | 26 | 20 | 347 | 3,396.3 | | 3,462 |
| 12 | | 420 | 3,100 | 110 | 100 | 67.7 | 90 | 31 | 100 | 0 | 11.5 | 510.2 | 2,589.8 | 33 | | 26 | 3 | 29 | 31 | 20 | 352 | 3,376.3 | | 3,455 |
| 13 | | 420 | 3,100 | 110 | 100 | 67.7 | 110 | 36 | 100 | 0 | 11.5 | 535.2 | 2,564.8 | 33 | | 26 | 3 | 29 | 36 | 20 | 357 | 3,356.3 | | 3,448 |
| 14 | 2016 2017 | 420 420 | 3,100 | 110 110 | 100 100 | 67.7 67.7 | 130 150 | 41 45 | 100 91 | 0 | 11.5 11.5 | 560.2 575.2 | 2,539.8 2.524.8 | 33 | | 26 26 | 3 | 29 29 | 41 45 | 20 | 362 366 | 3,336.3 3.325.3 | | 3,440 |
| 16 | 2017 | 420 | 3,100 | 110 | 130 | 67.7 | 0 | 63 | 91 | 0 | 11.5 | 382.2 | 2,524.6 | 33 | | 26 | 3 | 29 | 63 | 20 | 384 | 3,536.3 | | - |
| 17 | 2019 | 420 | 3,100 | 110 | 160 | 67.7 | 0 | 68 | 0 | 0 | 11.5 | 417.2 | 2.682.8 | 33 | | 26 | 3 | 29 | 68 | 20 | 389 | 3,506.3 | | |
| 18 | 2020 | 420 | 3,100 | 110 | 193 | 67.7 | Ö | 73 | 0 | Ö | 11.5 | 454.7 | 2.645.3 | 33 | | 26 | 3 | 29 | 73 | 20 | 394 | 3,473.8 | | |
| 19 | 2021 | 420 | 3,100 | 110 | 205 | 67.7 | 0 | 78 | 0 | 0 | 11.5 | 472.2 | 2,627.8 | 33 | 0 | 26 | 3 | 29 | 78 | 20 | 399 | 3,461.3 | | |
| 20 | 2022 | 420 | 3,100 | 110 | 203 | 67.7 | 0 | 83 | 0 | 0 | 11.5 | 474.7 | 2,625.3 | 33 | 0 | 26 | 3 | 29 | 83 | 20 | 404 | 3,463.8 | | |
| 21 | 2023 | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 88 | 0 | 0 | 11.5 | 477.2 | 2,622.8 | 33 | | 26 | 3 | 29 | 88 | 20 | 409 | 3,466.3 | | |
| 22 | | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 93 | 0 | 0 | 11.5 | 482.2 | 2,617.8 | 33 | | 26 | 3 | 29 | 93 | 20 | 414 | 3,466.3 | | |
| 23 | | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 98 | 0 | 0 | 11.5 | 487.2 | 2,612.8 | 33 | | 26 | 3 | 29 | 98 | 20 | 419 | 3,466.3 | | |
| 24 25 | | 420 420 | 3,100 | 110 110 | 200 200 | 67.7 67.7 | 0 | 103 103 | 0 | 0 | 11.5 11.5 | 492.2 492.2 | 2,607.8 2.607.8 | 33 | | 26 26 | 3 | 29 29 | 103 103 | 20 | 424 424 | 3,466.3 3,466.3 | | |
| 26 | | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 103 | 0 | 0 | 11.5 | 492.2 | 2,607.8 | 33 | | 26 | 3 | 29 | 103 | 20 | 424 | 3,466.3 | | |
| 20 | 2029-2037 | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 103 | 0 | 0 | 11.5 | 492.2 | 2,607.8 | 33 | | 26 | 3 | 29 | 103 | 20 | 424 | 3,466.3 | | |
| | 2038-2047 | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 103 | 0 | 0 | 11.5 | 492.2 | 2,607.8 | 33 | | 26 | 3 | 29 | 103 | 20 | 424 | 3,466.3 | | i |
| | 2048-2077 | 420 | 3,100 | 110 | 200 | 67.7 | 0 | 100 | 0 | 0 | 11.5 | 489.2 | 2,610.8 | 33 | | 26 | 3 | 29 | 100 | 20 | 421 | 3,466.3 | | |

- 1 Exhibit B is independent of increases and reductions as allowed under the Inadvertent Overrun and Payback Policy.
- 2 Any higher use covered by MWD, any lesser use will produce water for MWD and help satisfy ISG Benchmarks and Annual Targets.
- 3 IID/MWD 1988 Conservation Program conserves up to 110,000 AFY and the amount is based upon periodic verification. Of amount conserved, up to 20,000 AFY to CVWD (column 19), which does not count toward ISG Benchmarks and Annual Targets, and remainder to MWD.
- 4 Ramp-up amounts may vary based upon construction progress, and final amounts will be determined by the Secretary pursuant to the Allocation Agreement.
- 5 Any amount identified in Exhibit B for mitigation purposes will only be from non-Colorado River sources and these amounts may be provided by exchange for Colorado River water.
- Water would be transferred to MWD subject to satisfaction of certain conditions and to appropriate federal approvals. For informational purposes only, these transfers may also be subject to state approvals. Schedules are subject to adjustments with mutual consent. After 2006, these quantities will count toward the ISG Benchmarks (column 22) and Annual Targets (column 23) only if and to the extent that water is transferred into the Colorado River Aqueduct for use by MWD and/or SDCWA.
- 7 MWD can acquire if CVWD declines the water. Any water obtained by MWD will be counted as additional agricultural reduction to help satisfy the ISG Benchmarks and Annual Targets. MWD will provide CVWD 50,000 AFY of the 100,000 AFY starting in year 46.
- 8 IID has agreed to provide transfer amounts to meet the minimum ISG benchmarks, not to exceed a cumulative total of 145,000 AF. Maximum transfer amounts are 25,000 AF in 2006, 50,000 AF plus the unused amount from 2006 in 2009, and 70,000 AF plus the unused amounts from 2006 and 2009 in 2012. In addition to the maximum transfer amounts IID has also committed that no more than 72,500 AF of reduced inflow to the Salton Sea would result from these additional transfers.
- 9 Up to the amount shown, as agreed upon reduction to IID or CVWD to cover collectively the sum of individual Miscellaneous PPRs, federal reserved rights and decreed rights. This is a reduction that counts towards ISG Benchmarks and Annual Targets.
- 10 For purposes of Subparagraph 8(b)(2)(i) and (ii) and 8(c)(1) and (i) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 7 and 9) not within IID's control: (ii) the amounts of conserved water as determined,
- where such amounts may vary (columns 4, 6, 9 and 10); and (iii) with respect to column 7, reductions by IID will be considered in determining IID's compliance regardless of whether the conserved water is diverted into the Colorado River Aqueduct.

 11 For purposes of Subparagraph 8(c)(1) and (4) the Secretary will take into account: (i) the satisfaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control;
- 11 For purposes of Supparagraph 4(c)(1) and (4) the Secretary will take into account; (i) the satisfiaction of necessary conditions to certain transfers (columns 15 and 16) not within CVWD's control and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- and (ii) the amounts of conserved water as determined, where such amounts may vary (column 15).
- 12 All consumptive use of priorities 1 through 3 plus 14,500 AF of PPRs must be within 25,000 AF of the amount stated.
- 13 Assumes SDCWA does not elect termination in year 35.
- 14 Assumes SDCWA and IID mutually consent to renewal term of 30 years.

Notes:

Substitute transfers can be made provided the total volume of water to be transferred remains equal or greater than amounts shown consistent with applicable federal approvals.

The shaded columns represent amounts of water that may vary.

INTENTIONALLY CREATED SURPLUS

In 2006, the Bureau of Reclamation entered into letter agreements with the Imperial Irrigation District and The Metropolitan Water District of Southern California to implement a demonstration program for the development of Intentionally Created Surplus (ICS). In this program, ICS refers to a quantity of surplus water the Secretary may make available for release under Article II(B)(2) of the Consolidated Decree. The demonstration program covered calendars years 2006 – 2007 and required that ICS be created through extraordinary conservation measures.

On December 13, 2007, the Secretary of the Interior signed the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead (2007 Interim Guidelines). Beginning in 2008, the creation of ICS is governed by the 2007 Interim Guidelines. Section XI.G.3 of the 2007 Interim Guidelines sets forth the policies and guidelines concerning the implementation of ICS, including the categories, creation, delivery, and accounting of ICS.

On May 20, 2019, the Lower Basin Drought Contingency Plan Agreement (LB DCP Agreement) was executed. Exhibit 1 to the LB DCP Agreement, the Lower Basin Drought Contingency Operations (LBOps), supplemented the policies and guidelines that govern the implementation of ICS.

ICS may be created using a variety of approved measures within the four established ICS categories: Extraordinary Conservation ICS, Tributary Conservation ICS, System Efficiency ICS, and Imported ICS. Additionally, Binational ICS may be credited to a water user pursuant to agreements executed under Minutes 319 and 323. The 2007 Interim Guidelines and LBOps set forth limitations as to the maximum quantities of ICS that may be created during each year, delivered in a year, and accumulated in a water user's ICS account.

The following conditions apply to ICS:

- 1) During the year of creation, and with the exception of System Efficiency ICS, there is a one-time deduction of 10 percent from the amount of ICS created which is dedicated to system storage to provide a collective storage benefit for Colorado River water users. Through December 31, 2026, these volumes shall not be subject to any further assessments for system or evaporation losses.¹
- 2) If the Secretary releases Flood Control Surplus water, Extraordinary Conservation ICS accumulated in ICS accounts is reduced by the amount of the Flood Control Surplus on an acrefoot for acre-foot basis until no Extraordinary Conservation ICS remains.
- 3) If a water user has an overrun payback obligation, the water user must repay the obligation in full before it can request or receive delivery of ICS.

The Secretary is responsible for approving plans for the creation of ICS (including any modifications to such plans) and for verifying and accounting for ICS creation and delivery.

Table 22 documents information associated with ICS for each individual water user, including:

- 1) The beginning of year ICS account balance.
- 2) The amount of ICS created in the reporting year.
- 3) The amount of ICS delivered in the reporting year.
- 4) The end of year ICS account balance, after applying any applicable reductions.

¹ In accordance with Section I of LBOps, California contractors that are not parties to the LB DCP Agreement shall not be subject to the provisions of LBOps but shall instead remain subject to all of the applicable terms and conditions of the 2007 Interim Guidelines including, but not limited to, a one-time deduction of 5 percent from the amount of ICS created and an annual evaporation loss of 3 percent to the end-of-year balance of Extraordinary Conservation ICS beginning in the year after creation.

Table 22. Intentionally Created Surplus by State, Water User, and ICS Type, Calendar Year 2020. (Values are in acre-feet.)

| State/ | | ВОҮ | | System | IOPP | | | EO |
|------------|--|----------------------|-----------------------|-------------------------|----------------------|------------------|------------------------------|----------|
| Water User | ICS Type | Balance ¹ | Creation ² | Assessment ³ | Payback ⁴ | Delivery | Evaporation ³ | Balanc |
| Arizona | | | | | | | | |
| CAWCD | Extraordinary Conservation | 235,757 | 47,434 | (4,743) | 0 | (4,606) | - | 273,84 |
| | System Efficiency - Warren H. Brock | 100,000 | 0 | - | 0 | 0 | - | 100,00 |
| | System Efficiency - YDP Pilot Run | 3,050 | 0 | - | 0 | 0 | - | 3,05 |
| | Binational ICS ⁵ | 23,750 | 9,091 | - | 0 | 0 | - <u> </u> | 32,84 |
| | | | | | | | Total CAWCD: | 409,73 |
| CRIT | Extraordinary Conservation | 5,647 | 3,736 | (374) | 0 | 0 | - | 9,00 |
| GRIC | Extraordinary Conservation ⁶ | 105,300 | 83,000 | (8,300) | 0 | 0 | - | 180,00 |
| | | | | | | To | otal Arizona ICS: | 598,74 |
| | | | | Tot | al Arizona ICS Sub | | | 495,69 |
| California | | | | | | , | | 155,65 |
| MWD | Extraordinary Conservation | 866,313 | 338,308 | (33,831) | 0 | 0 | - | 1,170,79 |
| | System Efficiency - Warren H. Brock | 65,000 | 0 | - | 0 | 0 | - | 65,00 |
| | System Efficiency - YDP Pilot Run | 24,397 | 0 | - | 0 | 0 | - | 24,39 |
| | Binational ICS ⁵ | 23,750 | 9,092 | - | 0 | 0 | - | 32,84 |
| | | | | | | | Total MWD: | 1,293,02 |
| IID | Extraordinary Conservation | 50,000 | 1,579 | (79) | 0 | 0 | (1,500) | 50,00 |
| | Binational ICS ⁵ | 23,750 | 9,092 | - | 0 | 0 | - - | 32,84 |
| | | | | | | | Total IID: | 82,84 |
| | | | | | | Tota | al California ICS: | 1,375,87 |
| | | | | Total | California ICS Sub | ject to ICS Accu | mulation Limit: ⁷ | 1,286,47 |
| Nevada | | | | | | | | |
| SNWA | Extraordinary Conservation | 148,478 | 44,432 | (4,443) | 0 | 0 | - | 188,46 |
| | Extraordinary Conservation converted from | | | | | | | |
| | Tributary Conservation / Imported ⁸ | 210,088 | - | - | 0 | 0 | - | 210,08 |
| | Tributary Conservation | - | 34,771 | (3,477) | 0 | 0 | - | 31,29 |
| | Imported - Coyote Spring Valley | - | 0 | 0 | 0 | 0 | - | |
| | System Efficiency - Warren H. Brock | 400,000 | 0 | - | 0 | 0 | - | 400,00 |
| | System Efficiency - YDP Pilot Run | 3,050 | 0 | - | 0 | 0 | - | 3,0 |
| | Binational ICS ⁵ | 23,750 | 9,092 | - | 0 | 0 | - | 32,84 |
| | | | | | | T | otal Nevada ICS: | 865,74 |
| | | | | Tot | al Nevada ICS Sub | ject to ICS Accu | mulation Limit: 7 | 431,39 |
| | | | | | | | Mead: EOY 2020 | 2,840,35 |

Note: A dash (-) indicates the column is not applicable.

Footnotes: See next page.

Table 22 Footnotes:

- ¹ Reflects the amount shown as the "EOY Balance" in the 2019 Colorado River Accounting and Water Use Report as adjusted for: (1) any differences between provisional and verified 2019 ICS creation amounts, and (2) the conversion of Tributary Conservation ICS to Extraordinary Conservation ICS on January 1, 2020 in accordance with Section XI.G.3.A.2 of the 2007 Interim Guidelines.
- ² The amount of ICS created by the water user during the reporting year. Extraordinary Conservation ICS creation by CAWCD, CRIT, IID, and SNWA has been verified by Reclamation. All other values displayed in this column are provisional until verified by Reclamation. In accordance with Section IV.B of <u>Lower Basin Drought Contingency Operations</u> (LBOps), the Secretary of the Interior <u>authorized</u> additional Extraordinary Conservation ICS creation capacity for the state of Arizona in 2020. The total annual Extraordinary Conservation ICS creation for 2020 remained within the 625,000 AF Extraordinary Conservation maximum limitation set forth in Section XI.G.3.B.4 of the 2007 Interim Guidelines. Tributary Conservation ICS, Imported ICS, System Efficiency ICS, and Binational ICS creation amounts are not subject to the 625,000 AF annual limitation. In 2020, Extraordinary Conservation ICS created by Nevada and Arizona was used to meet required DCP Contributions. For additional information see Table 23.
- ³ In accordance with Section IV.A.2 of LBOps, there shall be a one-time deduction of 10 percent of any Extraordinary Conservation, Tributary Conservation, or Imported ICS created. Through December 31, 2026, these volumes shall not be subject to any further assessments for system or evaporation losses. In accordance with Section I of LBOps, California contractors that are not parties to the <u>Lower Basin</u> <u>Drought Contingency Plan Agreement</u> shall not be subject to the provisions of LBOps but shall instead remain subject to all of the applicable terms and conditions of the 2007 Interim Guidelines. Therefore, in accordance with Section XI.G.3.B.2 and Section XI.G.3.B.7 of the 2007 Interim Guidelines, respectively, IID's ICS creation amount is subject to a 5 percent system assessment in the year of creation and a 3 percent evaporation loss, which is applied annually to IID's Extraordinary Conservation ICS EOY balance beginning in the year after the ICS is created and continuing until no Extraordinary Conservation ICS remains in Lake Mead.
- ⁴ In accordance with Section XI.G.3.C.7 of the 2007 Interim Guidelines, if a contractor has an overrun payback obligation, the contractor must repay the overrun payback obligation in full before requesting or receiving delivery of ICS. If a contractor requests to use its ICS credits to pay back an overrun, the contractor's ICS account(s) shall be reduced by the amount of the payback prior to calculating the evaporation loss and the remaining ICS credits available to the contractor.
- ⁵ The amount of Binational ICS in the water user's account pursuant to the 2012 Contributed Funds Agreement dated November 20, 2012 (Agreement No. 12-XX-30-W0565), as modified by Section 4.6 of the Interim Operating Agreement for Implementation of Minute 323 dated September 21, 2017 (2017 Interim Operating Agreement); and the 2017 Contributed Funds Agreement (Agreement No. 17-XX-30-W0625) dated September 21, 2017. In accordance with Section 7.3.2 of the 2017 Interim Operating Agreement, Reclamation notified each water user of the amount of Binational ICS added to its Binational ICS Account by letter dated May 7, 2021.
- ⁶ In accordance with the <u>Agreement Between the United States of America and the Gila River Indian Community for the Creation of Intentionally Created Surplus for Firming</u> (Agreement No. 19-XX-30-W0657) dated May 20, 2019, GRIC agreed to conserve 100,000 AF in Lake Mead prior to December 31, 2020, through the creation of Extraordinary Conservation ICS, for the exclusive use of the United States to fulfill its firming obligation as required by the Arizona Water Settlements Act of 2004. After incorporating the 10 percent system assessment of 10,000 AF, 90,000 AF remains in GRIC's Extraordinary Conservation ICS EOY Balance for the United States' firming obligation. In accordance with Section 7.1, Reclamation shall not request, and GRIC shall not order, delivery of this Extraordinary Conservation ICS for firming any time before December 31, 2026.
- ⁷ In accordance with Section IV.C of LBOps, the maximum total amount of Extraordinary Conservation ICS, Binational ICS, and DCP ICS that may be accumulated in all ICS Accounts, at any time, is limited to the following: (1) 1,700,000 AF for California; (2) 500,000 AF for Nevada; and (3) 500,000 AF for Arizona, as may be modified by <u>agreements</u> to share ICS accumulation space. In 2020, sharing of ICS accumulation space did not occur.
- ⁸ The verified amount of Tributary Conservation ICS created by SNWA in 2019 is 34,321 AF. This is revised from the provisional amount of 34,929 AF shown in the 2019 *Colorado River Accounting and Water Use Report.* After applying the 10 percent reduction for system assessment to the verified amount, the 2019 EOY Tributary Conservation ICS balance is 30,889 AF. In accordance with Section XI.G.3.A.2 of the 2007 Interim Guidelines, this amount was converted to Extraordinary Conservation ICS at the beginning of 2020.

DROUGHT CONTINGENCY/BINATIONAL WATER SCARCITY CONTINGENCY PLAN CONTRIBUTIONS

On May 20, 2019, the *Lower Basin Drought Contingency Plan Agreement* (LB DCP Agreement) was executed pursuant to Public Law No. 116-14. The LB DCP Agreement was designed to further address the historic drought and dry conditions that have been observed in the Colorado River Basin since 2000.

Based on the actual operating experience gained after the adoption of the Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead dated December 13, 2007 (2007 Interim Guidelines) and emerging scientific information regarding the increasing variability and anticipated decline in Colorado River reservoir levels, additional measures were needed to reduce the risk of Lakes Powell and Mead declining to critical elevations should drought and low runoff conditions continue.

Within the LB DCP Agreement, each of the Lower Basin states agreed to reduce their demand of mainstem Colorado River water through DCP Contributions which are in addition to the shortage reductions outlined in the 2007 Interim Guidelines. Section III and Table 1 of Exhibit 1 to the LB DCP Agreement, the *Lower Basin Drought Contingency Operations* (LBOps), contains the annual DCP Contributions that are to be made by each state at specified Lake Mead elevations. Section II of the LBOps, defines the following methods that may be used to meet a DCP Contribution:

- Conversion of existing Extraordinary Conservation Intentionally Created Surplus (ICS) to DCP ICS.
- Conversion of Extraordinary Conservation, System Efficiency, or Binational ICS created after the effective date of the LBOps to DCP ICS.
- Simultaneous creation and conversion of Extraordinary Conservation, System Efficiency, or Binational ICS to DCP ICS.
- Creation of Non-ICS Water (often commonly referred to as creation of "system water").

Table 23 documents the annual DCP Contribution that was required for each Lower Basin state during 2020, the method(s) used to meet the DCP Contribution, and any DCP Contribution Deficiency.

Prior to adoption of the LB DCP Agreement, in September 2017, the United States and Mexico signed Minute 323¹ to extend continued cooperative efforts on the Colorado River. Sharing a common vision with the United States on the need for additional measures to avoid reaching critical reservoir elevations at Lake Mead, Mexico agreed to adopt a Binational Water Scarcity Contingency Plan (BWSCP); however the effectiveness of the BWSCP was contingent on adoption of the DCP in the United States. Similar to the LB DCP Agreement, the BWSCP provides for Mexico to make water savings contributions at specified Lake Mead elevations² which could be recovered at later when reservoir conditions improve. The implementing details of the BWSCP are contained in the Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019 (2019 Joint Report).

Annual contributions by Mexico are made pursuant to Section IV of Minute 323 and Section II of the 2019 Joint Report consistent with Mexico's BWSCP. Pursuant to Section IV.A.1 of the 2019 Joint Report, Mexico may make its BWSCP Contribution from the following methods:

- By means of a downward adjustment to the schedule for annual delivery of Mexico of its Article 10(a) allotment under the 1944 Mexican Water Treaty.
- By converting Mexico's Water Reserve to Mexico's Recoverable Water Savings.
- A combination of the above.

Table 24 documents Mexico's annual BWSCP Contribution that was required during the reporting year and the method(s) used to meet the Contribution.

¹Extension of Cooperative Measures and Adoption of a Binational Water Scarcity Contingency Plan in the Colorado River Basin.

² Referred to as "Mexico's Recoverable Water Savings".

Table 23. U.S. Drought Contingency Plan Contributions by State, Water User, and DCP Contribution Type, Calendar Year 2020. (Values are in acre-feet.)

| State/ Water User | Required DCP Contribution ¹ | Conversion of Existing ICS to DCP ICS | Creation/Simultaneous Conversion of ICS to DCP ICS ² | Creation of Non-ICS Water | Total DCP Contribution | DCP Contribution Deficiency 3 |
|----------------------|---|---|---|------------------------------|---------------------------|--------------------------------|
| Arizona | 192,000 | | | | | |
| CAWCD ⁴ | | 0 | 47,434 | 133,174 | 180,608 | 11,392 |
| California | 0 | | | | | |
| | | 0 | 0 | 0 | 0 | 0 |
| Nevada | 8,000 | | | | | |
| SNWA | | 0 | 8,000 | 0 | 8,000 | 0 |

Footnotes:

¹ The DCP Contribution required during the reporting year in accordance with Section III.B of <u>Lower Basin Drought Contingency Operations</u> (LBOps) and as summarized in LBOps Table 1.

² In accordance with Section III.E.3 of LBOps, because the actual January 1, 2020 Lake Mead elevation was higher than 1,090 feet, any ICS created for the purpose of simultaneous creation and conversion to DCP ICS remained available as the type of ICS originally created.

³ In accordance with Section III.E.4 of LBOps, a state's DCP Contribution Deficiency will be added to the state's required DCP Contribution for 2021.

⁴ On behalf of the state of Arizona, CAWCD's DCP contribution was made in accordance with the <u>Agreement Regarding Lower Basin Drought Contingency Plan Obligations</u>.

Table 24. Mexico's Binational Water Scarcity Contingency Plan Contribution, Calendar Year 2020. (Values are in acre-feet.)

| | Required BWSCP Contribution ¹ | Conversion of Mexico's Water Reserve to Mexico's Recoverable Water Savings | Downward Adjustment to Mexico's Colorado River Water Delivery Schedule | Total BWSCP Contribution |
|--------|---|---|--|-----------------------------|
| Mexico | 41,000 | | | |
| | | To Be Determined | To Be Determined | 41,000 |

Footnotes:

¹ The Binational Water Scarcity Contingency Plan Contribution required during the reporting year in accordance with Section IV of IBWC Minute 323 and Section II of the Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019. The accounting for how Mexico met its BWSCP Contribution in 2020 is under development. This page will be updated after the accounting has been finalized.

The table below includes agreements, letters, regulations and operating plans that impacted Reclamation's delivery of Colorado River water during calendar year 2020. These documents may be retrieved by clicking on the item in the electronic version of the report which is available on Reclamation's website: https://www.usbr.gov/lc/region/g4000/wtracct.html. These documents are best accessed using Microsoft's Internet Explorer. Acronyms used below are defined on the page of this report entitled, "Acronyms and Abbreviated Terms."

| | RECORDS OF DECISION |
|----|--|
| 1. | The Record of Decision for Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead dated December 13, 2007. This document provides the framework used by the Secretary of the Interior for shortage, coordinated operation of Lake Powell and Lake Mead, and to encourage conservation, plan for shortages, implement closer coordination of operations of Lake Powell and Lake Mead, and preserve flexibility to deal with further challenges. |
| 2. | The Record of Decision for the Colorado River Water Delivery Agreement: Implementation Agreement, Inadvertent Overrun and Payback Policy, and Related Federal Actions Final Environmental Impact Statement dated October 10, 2003. The Water Delivery Agreement provides certainty regarding water entitlements that are necessary for continued effective implementation of the Secretary's responsibilities as Water Master on the lower Colorado River. |

| | | REPORTS |
|----|--|------------|
| 3. | 2020 Annual Operating Plan for Colorado River Re | eservoirs. |

| | INTERIM DETERMINATIONS |
|----|---|
| 4. | The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the Coachella Canal Lining Project, dated January 31, 2008. |
| 5. | The Secretary's Interim Determination for the amount of water conserved and the amount of water made available for allocation as a result of the All-American Canal Lining Project, dated December 4, 2009. |

| | WATER ACCOUNTING |
|-----|---|
| 6. | A description on how irrigation water is calculated by the USGS for areas where estimates of diversion are required. |
| 7. | Maps showing the locations of the wells and river pumps reported by the USGS. |
| 8. | Procedure for Determining Return Flow Credits to Nevada from Las Vegas Wash, adopted by the Task Force on Unmeasured Return Flows on August 28, 1984. |
| 9. | Reclamation letter to SNWA and CRCN dated December 5, 2007 regarding Las Vegas Valley Return Flow Credit Methodology. |
| 10. | Technical Memorandum providing a summary of the estimates of unmeasured return flow from the Palo Verde Ecological Reserve (PVER), Dennis Underwood Conservation Area, and PVER-South units of the Lower Colorado River Multi-Species Conservation Program. |
| 11. | IID's letter to Reclamation dated May 5, 2021 regarding excess extraordinary conservation created by IID in Calendar Year 2020. |

| | UNITED STATES-MEXICO 1944 WATER TREATY |
|-----|--|
| 12. | Minute 242 – Permanent and Definitive Solution to the International Problem of the Salinity of the Colorado River. |
| 13. | Minute 318 – Adjustment of Delivery Schedules for Water Allotted to Mexico for the Years 2010 Through 2013 as a Result of Infrastructure Damage in Irrigation District 014, Rio Colorado, Caused by the April 2010 Earthquake in the Mexicali Valley, Baja California. |
| 14. | Minute 319 – Interim International Cooperative Measures in the Colorado River Basin Through 2017 and Extension of Minute 318 Cooperative Measures to Address the Continued Effects of the April 2010 Earthquake in the Mexicali Valley, Baja California. |
| 15. | Minute 322 – Extension of the Temporary Emergency Delivery of Colorado River Water for use in Tijuana, Baja California |
| 16. | Minute 323 – Extension of Cooperative Measures and Adoption of a Binational Water Scarcity Contingency Plan in the Colorado River Basin |
| 17. | 2001 Memorandum of Understanding between Reclamation and the U.S. Section of the IBWC regarding deliveries at SIB. |

| | UNITED STATES-MEXICO 1944 WATER TREATY |
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| 18. | Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019. |
| 19. | U.S. Section of the IBWC's letter to Reclamation dated December 23, 2020 regarding Water Provided to the United States Pursuant to Section IX.A of Minute 323. |
| 20. | Reclamation's response letter to the U.S. Section of the IBWC dated December 28, 2020 regarding Water Provided to the United States Pursuant to Section IX.A of Minute 323. |
| 21. | U.S. Section of the IBWC's letter to Reclamation regarding the accounting of the volumes of Colorado River water in Mexico's Water Reserve through Calendar Year 2020. |
| 22. | Reclamation's response letter to the U.S. Section of the IBWC regarding the accounting of the volumes of Colorado River water in Mexico's Water Reserve through Calendar Year 2020. |

| | INTERSTATE WATER BANKING |
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| 23. | 43 CFR Part 414: Offstream Storage of Colorado River Water and Development and Release of Intentionally Created Unused Apportionment in the Lower Division States; Final Rule. |
| 24. | Documents related to Colorado River water diverted and stored in Arizona by AWBA for the benefit of SNWA. |
| 25. | Documents related to Colorado River water diverted and stored in California by MWD for the benefit of SNWA. |

| | INADVERTENT OVERRUN AND PAYBACK POLICY | |
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| 26. | Inadvertent Overrun and Payback Policy dated October 10, 2003. | |

| | SYSTEM CONSERVATION | |
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| 27. | Agreement (No. 14-XX-30-W0574) Among The United States of America, Through The Department of the Interior, Bureau of Reclamation, The Central Arizona Water Conservation District, The Metropolitan Water District of Southern California, Denver Water, and The Southern Nevada Water Authority, For A Pilot Program for Funding the Creation of Colorado River System Water through Voluntary Water Conservation and Reductions in Use dated July 30, 2014, including Amendment Nos. 1, 2 and 3. | |
| 28. | System Conservation Implementation Agreement No. 15-XX-30-W0587 Between Reclamation and City of Bullhead City, Arizona to Implement a Pilot System Conservation Program dated September 15, 2015. | |
| 29. | System Conservation Implementation Agreement No. 15-XX-30-W0596 Between Reclamation and the City of Needles to Implement a Pilot System Conservation Program dated April 15, 2016. | |
| 30. | Agreement Among the United States of America, Through the Department of the Interior, Bureau of Reclamation, the State of Arizona, Through the Arizona Department of Water Resources, the Central Arizona Water Conservation District, and the Colorado River Indian Tribes to Fund the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in use During Calendar Years 2020-2022 dated July 26, 2019. | |
| 31. | System Conservation Implementation Agreement No. 19-XX-30-W0658 Between Reclamation and the Fort McDowell Yavapai Nation dated October 17, 2019. | |
| 32. | System Conservation Implementation Agreement No. 20-XX-30-W0686 Between Reclamation and the Mohave Valley Irrigation and Drainage District dated December 17, 2020. | |
| 33. | Warren H. Brock Reservoir Conservation Summary Report dated December 2020. | |
| 34. | Memorandum: Brock Reservoir Conservation Estimation for Calendar Year 2020. | |

| | COLORADO RIVER WATER DELIVERY AGREEMENT | |
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| 35. | CVWD's letter to Reclamation dated January 20, 2021 providing the final amount of environmental mitigation water used in Calendar Year 2020 for the CCLP. | |
| 36. | Second Amendment to Delivery and Exchange Agreement between MWD and CVWD for 35,000 Acre-Feet dated December 11, 2019. | |

| | INTENTIONALLY CREATED SURPLUS | | |
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| 37. | Joint Letter from ADWR, SNWA, and MWD dated October 15, 2019 regarding ICS Creation Sharing Capacity in Calendar Year 2020. | | |
| 38. | Joint Letter from MWD, SNWA, ADWR, and CRCN dated March 11, 2021 regarding Additional ICS Creation Capacity and Use of Accumulation Capacity in Calendar Year 2020 for Arizona ICS Creators. | | |
| 39. | 2007 California Agreement for the Creation and Delivery of Extraordinary Conservation Intentionally Created Surplus (California ICS Agreement) dated December 13, 2007. | | |
| 40. | Agreement between the United States of America and the Gila River Indian Community for the Creation of Intentionally Created Surplus for Firming (Agreement No. 19-XX-30-W0657) dated May 20, 2019. | | |
| 41. | Reclamation's letters to CAWCD, IID, MWD, and SNWA dated May 7, 2021 regarding Binational ICS credited to each agency in Calendar Year 2020. | | |
| 42. | Documents related to the creation, delivery, and accounting of the Central Arizona Water Conservation District's ICS. | | |
| 43. | Documents related to the creation, delivery, and accounting of the Colorado River Indian Tribes' ICS. | | |
| 44. | Documents related to the creation, delivery, and accounting of the Gila River Indian Community's ICS. | | |
| 45. | Documents related to the creation, delivery, and accounting of the Imperial Irrigation District's ICS. | | |
| 46. | Documents related to the creation, delivery, and accounting of The Metropolitan Water District of Southern California's ICS. | | |
| 47. | Documents related to the creation, delivery, and accounting of the Southern Nevada Water Authority's ICS. | | |

| LOWER BASIN DROUGHT CONTINGENCY PLAN | |
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| 48. | Lower Basin Drought Contingency Plan Agreement dated May 20, 2019. |
| 49. | Lower Basin Drought Contingency Operations. |

| LOWER BASIN DROUGHT CONTINGENCY PLAN | | |
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| 50. | Agreement Regarding Lower Basin Drought Contingency Obligations between Reclamation and CAWCD dated May 20, 2019. | |
| 51. | DCP Contributions and ICS Accumulation Limits Sharing Agreement dated September 12, 2019. | |
| 52. | CAWCD's letter to Reclamation dated March 30, 2021 regarding Drought Contingency Plan Contributions and Intentionally Created Surplus Accounting. | |

Maps Identifying the General Location of Lower Colorado River Water Users



